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TECHNICAL TRANSLATIONS

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TECHNICAL TRANSLATIONS

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Luther H. Hodges, Secretary

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References to sources of original text are given as they appear on the translation, with sufficient editing to assure uniformity in citations.

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P. O. Box 46354
Hollywood,
California 90046

AGI
AGI Translations Office
American Geological Institute
2101 Constitution Ave., N. W.
Washington, D.C. 20000

AGS
American Geographical Society
Broadway at 156th Street
New York, New York 10032

AGU
American Geophysical Union
1515 Massachusetts Ave., N.W.
Washington, D.C. 20005

AIAA
American Institute of Aeronautics and Astronautics
500 Fifth Avenue
New York, New York 10036

AIBS
American Institute of Biological Sciences
2000 P Street, N.W.
Washington, D.C. 20006

AIP
American Institute of Physics
335 East 45th Street
New York, New York 10017

AIS
Argus Information Service
624 N. Eutaw Street
Baltimore, Maryland 21201

AM
Acta Metallurgica
122 East 55th Street
New York, New York 10022

AMS
American Mathematical Society
190 Hope Street
Providence, Rhode Island 02906

ANSP
Academy of Natural Sciences of Philadelphia
19th St. and the Parkway
Philadelphia, Pennsylvania 19103

API
Academic Press, Inc.
111 Fifth Ave.,
New York, New York 10003

ARS
American Rocket Society, Inc.
20th and Northampton Streets
Easton, Pennsylvania 18042

ATS
Associated Technical Services, Inc.
P. O. Box 271
East Orange, New Jersey 07017

BGIRA
British Glass Industry Research Association
Northumberland Road
Sheffield 10, England

BIHR
Circulation Manager
Translations of the Beltone Institute for Hearing Research
2900 West 36th Street
Chicago, Illinois 60632

BISI
British Iron & Steel Industry Translation Service
The Iron and Steel Institute
4, Grosvenor Gardens
London, S.W. 1, England

BWRA
British Welding Research Association
Abington Hall, Abington
Cambridge, England

CB
Consultants Bureau Enterprises Inc.
227 West 17th Street
New York, New York 10011

CCT
Consultants Custom Translations Inc.
227 West 17th Street
New York, New York 10011

CHP
Cleaver-Hume Press, Ltd.
31, Wright's Lane
London, W. 8, England

CID
Centro de Informacion y Documentacion
Patronato Juan de la Cierva,
Serrano 150, Apartado 743,
Madrid 6, Spain

CIDNT
Centralny Instytut Dokumentacji Naukowo-Technicznej
Warszawa 12
Aleja Niepodleglosci 188
Poland

CNP
Comitato Nazionale per la Produttivita
Service d'Information
Viale Regina Margherita N. 83D
Rome, Italy

CNRS
Centre National de la Recherche Scientifique
Centre de Documentation
15 Quai Anatole France
Paris 7, France

CSIRO
Commonwealth Scientific and Industrial Research Organization
Information Service
314 Albert Street
East Melbourne C. 2, Victoria
Australia

CTRA
The Librarian
The Coal Tar Research Association
Oxford Road
Gomersal, Leeds, England

CTS (Chem)
Chemical Translating Service
2243 Greer Road
Palo Alto, California 94300

CTT
Columbia Technical Translations
5 Vermont Avenue
White Plains, New York 10600

DI
Circulation Unit
Department of the Interior
Central Library
Room 1149
Washington, D.C. 20240

DTC
Danish Translations Centre,
c/o Library of the Danish Atomic Energy Commission,
Riso. Roskilde, Denmark

EIS
Engineering Information Services
Kirkham, Preston, Lancashire,
England

ES
Erica Stux
584 Moreley Avenue
Akron, Ohio 44320

ETC
European Translations Centre
Coelenstraat 101, Delft,
The Netherlands

FASEB
Federation of American Societies for Experimental Biology
9650 Wisconsin Avenue
Washington, D.C. 20014

FRI
Fulmer Research Institute, Ltd.
Stoke Poges,
Buckinghamshire,
England

FT
Faraday Translations
15 Park Row
New York, New York 10038

GB
Gordon and Breach
Publishers, Inc.
150 Fifth Avenue
New York, New York 10011

GPO
Superintendent of Documents
Government Printing Office
Washington, D.C. 20402

GPRC
Geophysical & Polar Research Center
6021 S. Highland Road
Madison, Wisconsin 53706

HB
Henry Brutcher
P.O. Box 157
Altadena, California 91001

HMSO
Her Majesty's Stationery Office
P. O. Box 569
London, S.E. 1, England

HTCBN
Hungarian Trading Company for Books and Newspapers "Kultura"
Budapest 62, P.O. Box 149

ICE
International Chemical Engineering
345 East 47th Street
New York, New York 10017

IEEE
Institute of Electrical & Electronics Engineers
275 Madison Avenue
New York, New York 10016

INFOSERV
Infoserv
P. O. Box 217
West Hartford, Conn. 06097

INT
International Patent Service N.V.
P. O. Box 101
's-Hertogenbosch,
The Netherlands

IP
Interscience Publishers, Inc.
250 Fifth Avenue
New York, New York 10001

IPST
Israel Program for Scientific Translation
14 Shammai Street
P.O. Box 7145
Jerusalem, Israel

ISA
Instrument Society of America
530 William Penn Place
Pittsburgh, Pennsylvania 15219

K-H
Kresge-Hooker Science Library Associates
Wayne State University
Detroit, Michigan 48202

LAND-AIR
Land-Air. Inc.
Pacific Missile Range
Point Mugu, California 95468

LC
Photoduplication Service
Publication Board Project
Library of Congress
Washington, D.C. 20540

LSA
Literature Service Associates
Route 1
Bound Brook, New Jersey 08805

MACL
Maclaren and Sons, Ltd.
Maclaren House
131 Great Suffolk Street
London, S.E. 1, England

MACM
Macmillan Co.
60 Fifth Avenue
New York, New York 10011

MDF
Morris D. Friedman
7553 Waterford Drive
San Jose, California 95129

MT
M. de O. Tollemache
Pennyford Cottage,
Burrington,
Umberleigh, Devon, England

MUL
Mulholland Engineering Translations
26 Burton Woods Lane
Cincinnati, Ohio 45229

NASA
National Aeronautics and Space Administration
1520 H Street, N.W.
Washington, D.C. 20546

NRCC
National Research Council
Library
Ottawa 2, Canada

OB
Oliver & Boyd, Ltd.
Tweeddale Court
14 High Street
Edinburgh 1, Scotland

OSA
Optical Society of America, Inc.
33 University Road
Cambridge, Massachusetts 02138

OTS
Office of Technical Services
Department of Commerce
Washington, D.C. 20230
(Also available through
Department of Commerce
Field Offices)

PERA
The Information Manager
Production Engineering Research Association
Melton Mowbray
Leicestershire, England

PLP
Plenum Press, Inc.
227 West 17th Street
New York, New York 10011

P
Pergamon Press
122 East 55th Street
New York, New York 10022

PS
Primary Sources
11 Bleecker Street
New York, New York 10012

RIA
Research International Associates
1522 Connecticut Avenue, N.W.
Washington, D.C. 20006

RIS
Research Information Service
Div. of Maxwell Scientific International, Inc.
122 East 55th Street
New York, New York 10022

RIS
Research Information Service
Div. of Pergamon International Corp.
122 East 55th Street
New York, New York 10022

SA
Seizaburo Aoki
1069 Minami Nakadori 2-chome
Fujisawa, Japan

SIAM
Business Manager
SIAM Publications
Box 7541
Philadelphia, Pennsylvania 19100

SIC
Scientific Information Consultants Limited
661 Finchley Road
London N. W. 2, England

SLA
SLA Translations Center
The John Crerar Library
35 West 33rd Street
Chicago, Illinois 60616

ST
Scripta Technica, Inc.
1000 Vermont Avenue, N.W.
Washington, D.C. 20005

STS
Scientific Translation Service
1938 Verdugo Knolls Drive
Glendale, California 91200

STT
SCIENTECH, Scientific & Technical Translations
P. O. Box 3530
Cleveland, Ohio 44118

TF
Taylor and Francis Ltd.
Red Lion Court, Fleet Street
London, E. C. 4, England

TDL
Mr. John Wiley
Technical Development Laboratories
P. O. Box 769
Savannah, Georgia 31400

TIB
Technische Informationsbibliothek
Am Welfengarten 1,
Hannover, West Germany

TIC
Technical Information Company
Patents Department
Chancery House
Chancery Lane
London, W.C. 2, England

TTIS
Translation & Technical Information Services
32 Manaton Road
London, S. E. 15, England

WBI
Warren Birkenhead, Inc.
901 Northern Life Tower
Seattle, Washington 98101
or
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Massachusetts Institute of Technology
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BIBLIOGRAPHY

WORKS ACCEPTED FOR COMPETITION FOR 1964 LENIN PRIZES. 9 Apr 64, 7p JPRS: 24126
Order from OTS $0.50 TT-64-31041

Trans. from Izvestiya (USSR) 1964, 19 Feb, p. 3.

AGRICULTURE

JOURNAL FOR SCIENTIFIC AGRICULTURAL RESEARCH, 1962, VOL. 15, NO. 50.
M. Filipovic, tr. 1963, 250p 339refs PL-480 Agr.
Order from OTS $2.50 TT-62-11755/4

Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1962, v. 15, no. 50.

Separate entries have been prepared for the individual articles.

JOURNAL FOR SCIENTIFIC AGRICULTURAL RESEARCH, 1963, VOL. 16, NO. 52. 1964, 127p PL-480-Agr.
Order from OTS $1.25 TT-63-11453/2

Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1963, v. 16, no. 52, p. 3-138.

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USSR INDUSTRIAL DEVELOPMENT: SOVIET TRACTORS AND AGRICULTURAL MACHINERY
No. 106. 31 Dec 63, 20p JPRS: 22510.
Order from OTS $0.75 TT-64-21160

Trans. (some in part) of Tekhnika v Sel'skom Khozyaistve (USSR) 1963 [v. 23] no. 9, p. 1-9, 42-46, 57-60, 71.

Separate entries have been prepared for the individual articles.

Ezhevskii, A.
WAYS OF IMPROVING AGRICULTURAL PRODUCTION. 31 Dec 63, 6p JPRS: 22510 (p. 1-6).
Order from OTS $0.75 in TT-64-21160 (p. 1-6)

Trans. of Tekhnika v Sel'skom Khozyaistve (USSR) 1963 [v. 23] no. 9, p. 1-3.

Kop'ev, E.
NEW EQUIPMENT FOR SWAMP DRAINAGE. 31 Dec 63, 4p JPRS: 22510 (p. 15-18)
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Partial trans. of Tekhnika v Sel'skom Khozyaistve (USSR) 1963 [v. 23] no. 9, p. 42-46.

Mikhailenko, E.
NEED FOR IMPROVEMENT OF THE SNS-2M BEET ELEVATOR. 31 Dec 63, 1p JPRS: 22510 (p. 20).
Order from OTS $0.75 in TT-64-21160 (p. 20)

Trans. of Tekhnika v Sel'skom Khozyaistve (USSR) 1963 [v. 23] no. 9, p. 71.

Safyulin, A.
NEW POU-2.0 TRUCK PLATFORM FOR GATHERING VEGETABLES. 31 Dec 63, 1p JPRS: 22510 (p. 19).
Order from OTS $0.75 in TT-64-21160 (p. 19)

Partial trans. of Tekhnika v Sel'skom Khozyaistve (USSR) 1963 [v. 23] no. 9, p. 57-60.

Selivanov, A.
PLANS FOR DEVELOPMENT OF AGRICULTURAL REPAIR BASES. 31 Dec 63, 8p JPRS: 22510 (p. 7-14).
Order from OTS $0.75 in TT-64-21160 (p. 7-14)

Trans. of Tekhnika v Sel'skom Khozyaistve (USSR) 1963 [v. 23] no. 9, p. 4-9.

Animal Husbandry

Belic, J.
THE STABILIZATION OF THE COMPOSITION OF FLEECE OF KARAKUL AND ITS CROSS-BREEDS. 1963, 23p 10refs PL-480 Agr.
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Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1963, v. 15, no. 50, p. 84-103. (Abstract available)

Hattori, H.
THE EFFECTS OF VARIOUS VASCULAR AGENTS ON THE THYROID VESSELS OF CATTLE. [1964] 2p
Order from K-H $1.20 K-H-1292-h

Trans. of [Nihon Naibumpi Gakkai Zasshi] (Japan) 1936, v. 11, p. 62-63.

Nikolic, D., Simovic, B., and Pecar, S.
APTITUDE TO ACCLIMATIZATION AND PRODUCTIVITY OF BLACK AND WHITE CATTLE UNDER YUGOSLAV CONDITIONS. 1963, 22p 35refs PL-480 Agr.
Order from OTS $2.50 in TT-62-11755/4 (p. 95-116)

Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1962, v. 15, no. 50, p. 105-125. (Abstract available)

Obracevic, C.
FOOD EFFICIENCY IN FATTENING YOUNG BULLS: EXPERIMENTS IN YUGOSLAVIA. 1963, 10p 31refs PL-480 Agr.
Order from OTS $2.50 in TT-62-11755/4 (p. 117-126)

Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1962, v. 15, no. 50, p. 128-136. (Abstract available)

Takamori, Otomatsu.
STUDIES ON GOITER OF FARM ANIMALS IN JAPAN. I. STUDIES ON GOITER IN SHEEP. [1963] [28p] (foreign text included) 29refs
Order from SLA $2.60 TT-64-14657

Trans. of [Nihon Juigaku Zasshi] (Japan) 1954, v. 16, p. [53]-64

Plant Cultivation

ALL-UNION CONFERENCE ON CORN PRODUCTION, KRASNODAR FEB 60: CONDENSED REPORTS (TABLE OF CONTENTS). 17 Mar 64, 9p Trans. A-1434.
Order from OTS, SLA, or ETC $1.10 TT-64-15076

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DEFOLIANTS AND DESSICANTS. [1963] 5p Trans. A-1432.
Order from OTS, SLA, or ETC $1.10 TT-64-15081

Trans. from mono. Defolianty i Desikanty, Moscow, 1963.

PATENT NRV (OIL GROWTH SUBSTANCE). Feb 64, 5p
Order from HMSO $0.77, $9.86/year in NLL Translations Bulletin, 1964, v. 6, no. 2 (p. 144-148)

Trans. from Izvestiya (USSR) 1963, no. 215, 10 Sep, p. 2.

PROCESS FOR THE MANUFACTURE OF AN ASPHALT EMULSION SUITABLE FOR USE AS AGRICULTURAL MULCH. [1963] 20p
Order from OTS, SLA, or ETC $1.60 TT-64-14743

Trans. of French patent no. 1 331 152, P. V. no. 906 952, internat. class. A 01 g-C 10g [by] Esso Research and Engineering Co., USA, introduced 14 Aug 6 (pub. in Bulletin Officiel de la Propriete Industrielle (France) 1963, no. 26) (pat. appl. introduced in the US 30 Jan 62, no. 169 823 in the name of Kenneth G. Morr

RESULTS OF SUGAR BEET RESEARCH IN THE SOVIET UNION, 1959-1960. 29 Feb 64, 61p JPRS: 23467.
Order from OTS $1.75 TT-64-21688

Trans. of mono. Osnovnye Vyvody Nauchno-Issledovatel'skikh Rabot za 1959-60 (Fundamental Conclusions of Scientific-Research Work for 1959-60) Kiev, 1962, p. 5-18, 48-58, 88-89, 115-121, 232-236

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THE EFFECT OF SOIL MAINTENANCE SYSTEM O THE MINERAL NUTRIENT CONTENT IN LEAVES OF APPLE TREES IN THE HUMID ALPINE REGION OF SOLOVENIA. 1963, 12p 65refs PL-480 Agr.
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Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1962, v. 15, no. 50, p. 233-244. (Abstr available)

Avramov, L., Todorovic, M., and Lovic, R.
POSSIBILITIES OF THE APPLICATION OF BACTER FERTILIZERS IN PLANTING ROOTED GRAPE VIN GRAFTS. 1963, 12p 26refs PL-480 Agr.
Order from OTS $2.50 in TT-62-11755/4 (p. 201-21

Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1962, v. 15, no. 50, p. 220-230. (Abstr available)

Babamov, L. and Popovska, P.
CALIBRATION OF WHEAT SEED AND THE SEED VALUE OF INDIVIDUAL FRACTIONS. 1963, 8p 5refs PL-480 Agr.
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Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1962, v. 15, no. 50, p. 211-217. (Abstract available)

Bobrovskii, P.
WAYS OF IMPROVING THE USE OF MINERAL FERTILIZERS. 9 Apr 64, 10p JPRS: 24104.
Order from OTS $0.50 TT-64-31027

Trans. of #Voprosy Ekonomiki (USSR) 1963, no. 2, p. 64-70.

Brezhnev, D. D.
HETEROSIS IN VEGETABLE CROPS (Geterozis u Ovoshchnykh Kul'tur). 30 Mar 64, 5p Trans. A-1439.
Order from OTS, SLA, or ETC $1.10 TT-64-15199

Trans. of Priroda (USSR) 1963 [v. 52] no. 9, p. 50-55.

Curcio, Massimo.
ULTRASONICS AND ULTRASHORT WAVES IN THE CAMPAIGN AGAINST INSECTS INJURIOUS TO TOBACCO. [1964] 14p
Order from K-H $8.40 K-H-2124-e

Trans. of il Tabacco (Italy) 1950, v. 54, Jan, p. 14-23.

Davydenko, K.
USE OF HERBICIDES ADVOCATED TO INCREASE CROP YIELDS 6 Feb 64, 3p JPRS: 23119 (p. 26-28).
Order from OTS $2.25 in TT-64-21506 (p. 26-28)

Trans. from Sovetskaya Latviya (Latvian SSR) 1963, 16 Nov, p. 1.

Dimitrijevic, R. and Jankovic, Z.
THE DENSITY OF SOWING AS A FACTOR IN YIELD AND QUALITY OF THE MOST IMPORTANT YUGOSLAV TOBACCO VARIETIES. 1963, 20p 3refs PL-480 Agr.
Order from OTS $2.50 in TT-62-11755/4 (p. 173-192)

Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1962, v. 15, no. 50, p. 189-208.

Dordevic, V.
A CONTRIBUTION TO THE KNOWLEDGE OF THE PROPERTIES OF THE CORN VARIETIES RUMSKI ZLATAN ZUBAN AND ZUTI OSMAK. 1963, 26p 10refs PL-480 Agr.
Order from OTS $2.50 in TT-62-11755/4 (p. 147-172)

Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1962, v. 15, no. 50, p. 160-185.

Ishisaka, S. and Iwata, S.
PRODUCTION OF FERTILIZER FROM SEA WATER OR THE LIKE. Jan 64, 850words
Order from LSA $10.00

Trans. of Japanese patent [publication] 3769/58, 16 May 58.

Josifovic, M. and Stojanovic, D.
NEW MANIFESTATIONS OF SUPERPARASITISM IN FUNGI. 1963, 11p 6refs PL-480 Agr.
Order from OTS $2.50 in TT-62-11755/4 (p. 5-15)

Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1962, v. 15, no. 50, p. 7-17. (Abstract available)

Lewicki, Stefan and Styk, Boleslaw.
STUDIES ON BUCKWHEAT. PT. V. VARIABILITY OF THE PHYSICAL PROPERTIES OF SEED AS DEPENDING ON CULTIVATION METHODS (Studia nad Gryka. Cz. V. Zmiennosc Cech Fizycznych Ziarna Gryki w Zaleznosci od Sposobu Jej Uprawy) Maria Radziwi, tr. 1962 [14p] PL-480 Agr.
Order from OTS $0.50 TT-61-11394

Trans. of Hodowla Roslin, Aklimatyzacja i Nasiennictwo (Poland) 1958, v. 2, no. 4, p. 549-559.

Mothes, K.
ON THE AGING OF LEAVES AND THE POSSIBILITY OF THEIR REJUVENATION. [1963] 47p (figs omitted) 35refs
Order from SLA $4.60 TT-64-14524

Trans. of [die] Naturwissenschaften (West Germany) 1960, v. 47, p. 337-351.
Another trans. is available from K-H $49.35 as K-H-11558-b [1962] 47p.

Nejgebauer, V.
THE WATER HOLDING CAPACITY OF CHERNOZEMS IN BACKA AND THE WATER CONSTANTS WHICH CHARACTERIZE THEM. 1963, 20p 24refs PL-480 Agr
Order from OTS $2.50 in TT-62-11755/4 (p. 47-66)

Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1962, v. 15, no. 50, p. 53-71.

Panov, P. Ts. and Boyanov, B. I.
USE OF INFRARED RAYS IN TOBACCO CURING. [1962] 10p
Order from OTS, SLA, or ETC $1.10 TT-64-14760

Trans. of Tabak (USSR) 1959, v. 20, no. 4, p. 50-52.
Another trans. is available from K-H $12.50 as K-H-11433-c [1962] 10p.

Stojkovic, L. and Savic, R.
THE EFFECT OF PRECEDING CROPS ON THE YIELD OF WINTER WHEAT AND CORN. 1963, 18p 21refs PL-480 Agr.
Order from OTS $2.50 in TT-62-11755/4 (p. 29-46)

Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1962, v. 15, no. 50, p. 34-50.

Strutsovskaya, E. S.
INITIAL PLANT MATERIAL IN BREEDING WINTER WHEAT FOR RESISTANCE TO LODGING (Iskhodnyi Material dlya Selektsii Ozimoi Pshenitsy na Ustoichivost' k Poleganiyu). 12 Mar 64, 4p Trans. A-1433.
Order from OTS, SLA, or ETC $1.10 TT-64-15079

Trans. of Vsesoyuznyi Institut Rastenievodstva. Byulleten' (USSR) 1961, no. 9, p. 44-47.

Tavcar, A.
SOME MUTATIONS OBTAINED THROUGH IRRADIATION OF SEED OF SOME SPECIES OF TRITICUM. 1963, 12p 11refs PL-480 Agr.
Order from OTS $2.50 in TT-62-11755/4 (p. 17-28)

Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1962, v. 15, no. 50, p. 20-30.

Ulicevic, M.
A CONTRIBUTION TO THE STUDY OF THE FERTILITY OF BUDS IN THE BETTER KNOWN VARIETIES OF GRAPE VINES IN P. R. MONTENEGRO. 1963, 22p 24refs PL-480 Agr.
Order from OTS $2.50 in TT-62-11755/4 (p. 225-246)

Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1962, v. 15, no. 50, p. 247-267.

ASTRONOMY

NEW METHODS IN ASTRONOMY: [SELECTED PARTS]. Materials of the Conference of the Commission for Instrument Building, Astronomy Council, Academy of Sciences USSR, Moscow, 18-20 Apr 61. 10 Jan 64, 154p 43refs JPRS: 22696. N64-13676.
Order from OTS $3.00 TT-64-21262

Trans. of mono. Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963, p. 3-36, 80-104, 108-117, 136-137, 142-158, 169-175.

Separate entries have been prepared for the individual articles.

Belyaev, Yu. A., Gerasimova, T. S., Dravskikh, Z. V., Mihkel'son, N. N., and Sumin, V. S.
THE CONTROL SYSTEM OF THE RM-700 TELESCOPE. 10 Jan 64, 9p 4refs JPRS: 22696 (p. 34-42).
Order from OTS $3.00 in TT-64-21262 (p. 34-42)

Trans. from mono. Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963.

Gershberg, R. E.
THE EXPANSION OF H II REGIONS AND THE FORMATION OF PERIPHERAL STRUCTURES IN DIFFUSE NEBULAE (Rasshirenie Oblastei H II i Obrazovanie Periferiinykh Struktur v Diffuznykh Tumannostyakh). [1964] [20p] 21refs
Order from OTS, SLA, or ETC $1.60 TT-64-14752

Trans. of [Akademiya Nauk SSSR]. Krymskaya Astrofizicheskaya Observatoriya. Izvestiya, 1961, v. 25, p. 76-87.

Goreva, G. I., Sabinin, Yu. A., Nikolaev, P. V., and Shumakher, A. V.
AUTOMATIC COMPENSATION FOR THE SAGGING OF STELLAR TELESCOPES. 10 Jan 64, 20p 1ref JPRS: 22696 (p. 56-75).
Order from OTS $3.00 in TT-64-21262 (p. 56-75)

Trans. from mono. Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963.

Ioannisyani, B. K.
THE 2.6-m MIRROR REFLECTOR IMENI AKADEMIK G. A. SHAIN. 10 Jan 64, 8p JPRS: 22696 (p. 11-18).
Order from OTS $3.00 in TT-64-21262 (p. 11-18)

Trans. from mono. Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963.

Ioannisyani, B. K., Severnyi, A. B., and Shelovitelev, P. I.
NEW SOVIET TELESCOPE: THE LARGEST IN EUROPE. 10 Jan 64, 10p JPRS: 22696 (p. 1-10).
Order from OTS $3.00 in TT-64-21262 (p. 1-10)

Trans. from mono. Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963.

Ioffe, S. B. and Drichko, N. M.
INTERFERENCE POLARIZATION FILTER FOR ASTROPHYSICAL INVESTIGATIONS OF THE SUN IN THE K LINE OF IONIZED CALCIUM. 10 Jan 64, 2p JPRS: 22696 (p. 153-154).
Order from OTS $3.00 in TT-64-21262 (p. 153-154)

Trans. from mono. Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963.

Ksanfomaliti, L. V.
AUTOMATIC ELECTRON POLARIMETER AND OTHER DEVICES. 10 Jan 64, 14p 5refs JPRS: 22696 (p. 116-12
Order from OTS $3.00 in TT-64-21262 (p. 116-129)

Trans. from mono. Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963.

Kuteva, Z. N. and Sabinin, Yu. A.
SYSTEM OF PROGRAMMED CONTROL OF A TELESCOPE INTENDED FOR OBSERVATIONS UNDER LIMITED PROGRAMS. 10 Jan 64, 16p 2refs JPRS: 22696 (p. 86-101).
Order from OTS $3.00 in TT-64-21262 (p. 86-101)

Trans. from mono. Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963. (Abstract available)

Moroz, V. I.
STELLAR PHOTOMETER AND SPECTROMETER FOR THE 1-2.5 μ REGION. 10 Jan 64, 112p 14refs JPRS: 22696 (p. 130-141).
Order from OTS $3.00 in TT-64-21262 (p. 130-141)

Trans. from mono. Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963.

Oshurko, V. V.
PROCESSING AND PRELIMINARY INVESTIGATIONS OF THE MAIN MIRROR (2.6 m) FOR TELESCOPE OF THE CRIMEAN ASTROPHYSICAL OBSERVATORY. 10 Jan 64, 10p JPRS: 22696 (p. 24-33)
Order from OTS $3.00 in TT-64-21262 (p. 24-33)

Trans. from mono. Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963.

Perlin, F. Kh.
THE CONSTANT OF LUNAR PARALLAX (Postoyannaya Lunnogo Parallaksa)
Robert D. Hill, tr. Nov 63 [24p] 36refs ACIC TC-722.
Order from OTS, SLA, or ETC $2.60 TT-64-13356

Trans. of Akademiya Nauk SSSR. Institut Teoreticheskoi Astronomii. Byulleten', 1957, v. 6, no. 8(81) p. 566-576.

Potter, Kh. I. and Streletskii, Yu. S.
CAMERA WITH AN OPTICAL COMPENSATOR FOR OBSERVING ARTIFICIAL EARTH SATELLITES. 10 Jan 64, 14p 4refs JPRS: 22696 (p. 102-115).
Order from OTS $3.00 in TT-64-21262 (p. 102-115)

Trans. from mono. Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963, (Abstract available)

Rozhnova, I. P. and Sabinin, Yu. A.
PHOTOELECTRIC METHOD OF STUDYING THE INSTABILITY OF STELLAR IMAGES. 10 Jan 64, 10p 6refs JPRS: 22696 (p. 76-85).
Order from OTS $3.00 in TT-64-21262 (p. 76-85)

Trans. from mono. Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963.

Sabinin, Yu. A. and Nikolaev, P. V.
THE SYSTEM OF AUTOMATIC CONTROL AND POINTING OF AN AZIMUTHAL TELESCOPE. 10 Jan 64, 13p 5refs JPRS: 22696 (p. 43-55).
Order from OTS $3.00 in TT-64-21262 (p. 43-55)

Trans. from mono. Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963.

Savin, V. A.
EXPERIENCE GAINED IN USING A VACUUM CHAMBER FOR TESTING THE PRECISE MIRRORS OF ASTRONOMICAL INSTRUMENTS. 10 Jan 64, 5p JPRS: 22696 (p. 148-152).
Order from OTS $3.00 in TT-64-21262 (p. 148-152)

Trans. from mono. Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963.

Shcheglov, P. V.
FABRY-PEROT STANDARD WITH AN IMAGE AMPLIFIER FOR OBSERVATION OF LOW-EMISSION OBJECTS. 10 Jan 64, 6p JPRS: 22696 (p. 142-147)
Order from OTS $3.00 in TT-64-21262 (p. 142-147)

Trans. from mono. Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963.

Zhongolovich, I. D.
POTENTIAL OF THE TERRESTRIAL ATTRACTION (Potentsial Zemnogo Prityazheniya)
Walter L. Burton, tr. Nov 63 [43p] 6refs ACIC TC-720
Order from OTS, SLA, or ETC $4.60 TT-64-13355
Trans. of Akademiya Nauk SSSR. Institut Teoreticheskoi Astronomii. Byulleten', 1957, v. 6, no. 8(81) [p. 505-523].

Zhurkin, N. S., Konshin, V. M., and Bruk, G. L.
THE CONTROL SYSTEM FOR THE 2.6-m TELESCOPE. 10 Jan 64, 5p JPRS: 22696 (p. 19-23).
Order from OTS $3.00 in TT-64-21262 (p. 19-23)

Trans. from mono. Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963. (Abstract available)

Astrophysics

SOVIET-BLOC RESEARCH IN GEOPHYSICS, ASTRONOMY, AND SPACE, NO. 78. 4 Mar 64, 28p JPRS: 23529.
Order from OTS $16.00/year TT-61-11147-78
foreign $20.00/year

Ginzburg, V. L. and Syrovatskii, S. I.
COSMIC RAYS IN METAGALACTIC SPACE. Fall 63, 10p 17refs
Order from International Physical Index, Inc., 1909 Park Ave., New York 35, N. Y. $100.00/year in Russian Physics Quarterly, v. 1, no. 1 (p. 122-131)

Trans. of #Astronomicheskii Zhurnal (USSR) 1963, v. 40, no. 3, p. 466-476. (Abstract available)

Korchak, A. A.
THE POSSIBILITY OF DETECTING AND STUDYING RADIATION BELTS AT GREAT DISTANCES USING RADIOASTRONOMY METHODS. Fall 63, 4p 4refs
Order from International Physical Index, Inc., 1909 Park Ave., New York 35, N. Y. $100.00/year in Russian Physics Quarterly, v. 1, no. 1 (p. 132-135)

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 150, no. 3, p. 499-502.
Another trans. is available from AIP $4.00 in Soviet Physics-Doklady, v. 8, no. 5.

Levin, B. Yu.
ABOUT THE DISTANCES AND MASSES OF PLANETS D. Shalikashvili, tr. May 61 [8p] 6refs ACIC-TC-270.
Order from OTS, SLA, or ETC $1.10 TT-64-15165

Trans. of Voprosy Kosmogonii (USSR) 1960, v. 7, p. 55-58.

Pikel'ner, S. B.
FUNDAMENTALS OF COSMIC ELECTRODYNAMICS. Feb 64 [274p] 254refs NASA Technical Trans. F-175.
Order from OTS $4.00 TT-64-11600

Trans. of mono. Osnovy Kosmicheskoi Elektrodinamiki, Moscow, 1961, 295p.

Richter, N. B.
THE NATURE OF COMETS, REV. ED. Arthur Beer, tr. 1963, 1v
Order from Dover Publications, Inc., 180 Varick St., New York, 14, N. Y. $10.00

Trans. and revision of an unidentified mono., n. p., n. d. (Abstract available)

Vsekhsvyatskii, S. K.
PHYSICAL CHARACTERISTICS OF COMETS. 1964, 596p PL-480 NASA.
Order from OTS $6.00 NASA TT F-80

Trans. of mono. Fizicheskie Kharakteristiki Komet, Moscow, 1958 [575p].

BEHAVIORAL SCIENCES

Personnel and Training

Elyutin, V.
TRAINING OF PERSONNEL FOR THE LARGE-SCALE CHEMICAL INDUSTRY. 6 Feb 64, 7p JPRS: 23119 (p. 80-86).
Order from OTS $2.25 in TT-64-21506 (p. 80-86)

Trans. from Ekonomicheskaya Gazeta (USSR) 1963, no. 46(119) p. 4.

DESCRIPTORS: *Chemical industry, Personnel, *Chemists, *Industrial training.

Psychology

Egorov, A. S.
EXPERIMENTAL STUDY OF SURMOUNTING DIFFICULTIES DURING DYNAMIC WORK (Eksperimental'noe Issledovanie Preodoleniya Trudnostei pri Dinamicheskoi Rabote) Z. Knowles, tr. 17 Mar 64, 13p NIH no. 3-18-64.
Order from OTS, SLA, or ETC $1.60 TT-64-15200

Trans. of #Voprosy Psikhologii (USSR) 1962, v. 8, no. 1, p. 19-27.

Rogovin, M.
SOCIOLOGICAL CONCEPTS IN MODERN FRENCH AND AMERICAN PSYCHOPATHOLOGY. 9 Apr 64, 13p 79refs JPRS: 24102.
Order from OTS $0.50 TT-64-31026

Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) 1964, v. 64, no. 2, p. 295-302.

BIOLOGICAL SCIENCES

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 47. 6 Apr 64, 9p JPRS: 24032.
Order from OTS $0.50 TT-64-21982

Consists of abstracts of articles from selected scientific and technical journals of Bulgaria, Czechoslovakia, Rumania, and Yugoslavia.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 48. 8 Apr 64, 18p JPRS: 24093.
Order from OTS $0.50 TT-64-31020

Consists of abstracts of articles from the scientific and technical journals of Hungary and Rumania.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 49. 9 Apr 64, 17p JPRS: 24109.
Order from OTS $0.50 TT-64-31030

Consists of abstracts of articles from selected scientific and technical journals of Hungary.

STUDIES IN HEMATOLOGY AND BLOOD TRANSFUSION, 1964, VOL. 9, NO. 1: SELECTED ARTICLES. 12 Mar 64, 34p 51refs JPRS: 23648.
Order from OTS $1.00 TT-64-21775

Trans. of Problemy Gematologii i Perelivaniya Krovi (USSR) 1964, v. 9, no. 1, p. 3-10, 31-40, 52-55.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

STUDIES IN SOVIET NATURAL SCIENCES. 18 Dec 63, 40p 47refs JPRS: 22340.
Order from OTS $0.50 TT-64-21051

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 151, no. 6, p. 1437-1440, 1456-1457, 1476-1478.

Separate entries have been prepared for the individual articles.

USE OF MATHEMATICAL METHODS IN BIOLOGY. 14 Feb 64, 57p 26refs JPRS: 23244.
Order from OTS $1.50 TT-64-21569

Trans. of table of contents and 6 articles from Primenenie Matematicheskikh Metodov v Biologii (USSR) 1963, v. 2.

Separate entries have been prepared for the individual articles.

Fedotov, Yu. and Yudin, E.
BIOLOGICAL RHYTHMS AND ASTRONAUTICS. 3 Mar 64 [8p] FTD-TT-64-26.
Order from OTS, SLA, or ETC $1.10 TT-64-15116

Unedited rough draft trans. from Krasnaya Zvezda (USSR) 1962, no. 212(11817) 8 Sep, p. 6.

Izar, Guido.
NICOTABAGIC AND NICOTINE ELIMINATION. [1964] 13p
Order from K-H $7.80 K-H-2124-f

Trans. of Minerva Medica (Italy) 1951, v. 42, no. 3, p. 73-75.

Kikuth, W.
SIGNIFICANCE OF THE NEW LIFE CYCLE OF MALARIAL PARASITES FOR THE CONTINUED ADVANCEMENT OF MALARIA THERAPY. [1964] [3p]
Order from SLA $1.10 TT-64-14736

Trans. of Angew[andte] Chem[ie] (Germany) 1941, v. 54, no. 1/2, p. 36.

Terent'ev, P. V.
CONFERENCE ON THE USE OF MATHEMATICS IN BIOLOGY (NO. 3) [1961]. 14 Feb 64, 9p JPRS: 23244 (p. 9-17).
Order from OTS $1.50 in TT-64-21569 (p. 9-17)

Trans. of Primenenie Matematicheskikh Metodov v Biologii (USSR) 1963, v. 2, p. 5-11.

Anatomy and Physiology

DATA FROM THE CONFERENCE DEALING IN METHODS OF PHYSIOLOGICAL INVESTIGATIONS OF HUMAN BEINGS: SELECTED ARTICLES. 10 Dec 63 [63p] FTD-TT-63-916.
Order from OTS, SLA, or ETC $6.60 TT-64-13546

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 12, 15-23, 32-36, 40-42, 65-68, 83-85, 88-89, 98-108, 163-165, 186-194, 199-202, 207.

Separate entries have been prepared for the individual articles.

POLISH ENDOCRINOLOGY, 1962, VOL. 13, NOS. 1-6: SELECTED PAPERS
G. Wecewicz and others, trs. 1962, 245p 511refs PL-480 HEW.
Order from OTS $2.50 TT-62-11064/1-6

Trans. of 27 selected papers from Endokrynologia Polska, 1962, v. 13, nos. 1-6.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

SOVIET RESEARCH ON FACTORS AFFECTING MAN'S VISUAL AND AUDITORY ANALYZERS. 14 Jan 64, 20p 35refs JPRS: 22735. N64-13582
Order from OTS $0.75 TT-64-21292

Trans. of #Fiziologicheskii Zhurnal SSSR, 1963, v. 49, no. 9, p. 1036-1049.

Separate entries have been prepared for the individual articles.

SOVIET STUDIES IN PHYSIOLOGY. 11 Mar 64, 50p 30refs JPRS: 23612.
Order from OTS $1.50 TT-64-21760

Trans. of Fiziologichnyi Zhurnal (USSR) 1964, v. 10, no. 1, p. 3-15, 38-53.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Bernhtein, N. A.
NEW DEVELOPMENT TRENDS IN MODERN PHYSIOLOGY. 10 Dec 63, 10p FTD-TT-63-916 (p. 3-11).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 3-11)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 15-21.

Biryukova, Z. I.
PRINCIPLES OF METHODICAL APPROACH TO THE STUDY OF HUMAN TYPES OF HIGHER NERVOUS ACTIVITY. 10 Dec 63, 3p FTD-TT-63-916 (p. 12-14)
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 12-14)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 22-23.

Bornschein, H. and Schubert, G.
THE DIRECTION OF THE VESTIBULAR CORIOLIS EFFECT (Die Richtung des Vestibulären Coriolis-Effektes) D. A. Sinclair, tr. 1964, 16p 18refs NRC Technical Trans. 1107.
Order from NRC $1.00 NRC C-4759

Trans. of Zeitschrift für Biologie (West Germany) 1962, v. 113, no. 2, p. 145-160.

Bresler, S. E. and Nidzian, E. I.
ENZYMATIC REACTION OF TRANSFER OF PHOSPHATE FROM ADENOSINETRIPHOSPHORIC ACID TO RIBONUCLEIC ACID [O Fermentativnoi Reaktsii Perenosa Fosfata s Adenozintrifosfornoi na Ribonukleinovuyu Kislotu] Paul V. DePorte, tr. 3 Feb 55, 9p 5refs NIH no. 3-9-55.
Order from OTS, SLA, or ETC $1.10 TT-64-15059

Trans. of Akademiya Nauk SSSR. Doklady, 1950, v. 75, no. 1, p. 79-82.
Another trans. is available from SLA as RT-2407, 10p.

Chapek, A. V. and Geller, I. M.
ABOUT CERTAIN METHODS OF INVESTIGATING DIURNAL PERIODICITY OF PHYSIOLOGICAL FUNCTIONS OF THE ORGANISM OF CIVIL AVIATION FLIGHT PERSONNEL. 10 Dec 63, 2p FTD-TT-63-916 (p. 51-53).
Order from OTS, SLA, or ETC $6.60 in TT-63-13546 (p. 51-53)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 194.

Farfel', V. S.
METHODICAL PROBLEMS OF PHYSIOLOGICALLY INVESTIGATING LABOR ACTIONS WITH CONTROL SYSTEMS. 10 Dec 63, 3p FTD-TT-63-916 (p. 43-45).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 43-45)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 186-192.

Farfel', V. S.
ON METHODS OF STUDYING MOVEMENTS, ASSURING URGENT INFORMATION ABOUT THE MEASURED PARAMETERS. 10 Dec 63, 5p FTD-TT-63-916 (p. 45-49).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 45-49)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 186-192.

Farmanov, R. T.
COMPARATIVE EVALUATION OF THE DETERMINATION OF ERYTHROCYTES SURVIVAL IN TRANSFUSED BLOOD BY MEANS OF RADIOACTIVE CHROMIUM AND DIFFERENTIAL AGGLUTINATION OF ERYTHROCYTES. [1963] [11p] 31refs
FASEB manuscript no. S 423-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13395

Trans. of #Problemy Gematologii i Perelivaniya Krovi (USSR) 1963, v. 8, no. 5, p. 37-41.

Funtikov, B. A.
ADEQUATOMETRIC INVESTIGATION OF THE VISUA AND AUDITORY ANALYZERS OF MAN IN THE PRO ESS OF ADAPTATION TO CLIMATIC CONDITIONS. 14 Jan 64, 9p 17refs JPRS: 22735 (p. 12-20)
Order from OTS $0.75 in TT-64-21292 (p. 12-20)

Trans. of #Fiziologicheskii Zhurnal SSSR, 1963, v. 49, no. 9, p. 1044-1049. (Abstract available)

Gumener, P. I.
ELECTRONIC METHOD OF STUDYING RESPIRATION AT WORK. 10 Dec 63, 4p FTD-TT-63-916 (p. 22-23).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 22-23)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 65-68.

Gumener, P. I., Sapozhnikova, R. G., and Studenetskaya, T. M.
METHOD OF STUDYING VEGETATIVE FUNCTIONS AMONG STUDIENTS AT FUNCTIONAL ACTIVITIES.
10 Dec 63, 3p FTD-TT-63-916 (p. 23-25).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 23-25)

Unedited rough draft trans. from mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962.

Hylkema, B. S.
CLINICAL USE OF THE DETERMINATION OF FUSION FREQUENCY, COMMUNICATION I. [1964] 27p
Order from K-H $16.20 K-H-1324-a

Trans. of [Albrecht von Graefe's Archiv für Ophthalmologie] (Germany) 1944, v. 146, p. 110-127.

Ioffe, L. A.
VECTOR ANALYSIS OF DYNAMOCARDIOGRAMS.
10 Dec 63, 3p FTD-TT-63-916 (p. 25-27)
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 25-27)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962. p. 83-85.

Ivlev, V. S.
PARAMETERS CHARACTERIZING THE LEVEL OF ENERGY METABOLISM OF ANIMALS. 14 Feb 64, 8p 10refs JPRS: 23244 (p. 1-8).
Order from OTS $1.50 in TT-64-21569 (p. 1-8)

Trans. of Primenenie Matematicheskikh Metodov v Biologii (USSR) 1963, v. 2, p. 146-151.

Jarlov, N. V.
PERIPHERAL VASCULAR REACTIONS DURING TOBACCO SMOKING. [1964] 1p
Order from K-H $0.60 K-H-1622

Trans. of Nordisk Medicin (Sweden) 1949, v. 41, p. 506.

Kochetkov, N. K., Kara-Murza, S. G., Derevitskaya, V. A., Polezhaev, L. V., and Akhabadze, L. V.
SOVIET STUDIES IN PHYSIOLOGY AND MORPHOLOGY: STRUCTURE OF BLOOD GROUP SUBSTANCES (HYDROXYLAMINOLYSIS OF BLOOD GROUP SUBSTANCE A AND GENERAL STRUCTURE OF THE BIOPOLYMER) [AND] STIMULATION OF CARDIAC MUSCLE REGENERATION IN RABBITS AND DOGS. 10 Apr 64, 14p 39refs JPRS: 24141.
Order from OTS $0.50 TT-64-31052

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 153, no. 6, p. 1338-1341, 1450-1453.

Milkov, L. E.
THE PALLESTHETIC EFFECTS OF INTENSIVE INDUSTRIAL NOISE. [1963] [16p] 18refs
FASEB manuscript no. S 466-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13462

Trans. of Gigiena Truda i Professoional'nye Zabolevaniya (USSR) 1963, v. 7, no. 4, p. 38-43.

Navakatikyan, A. O., Lebedeva, V. V., Blagoveshchenskaya, I. N., and Pevnyi, S. A.
ANALYSIS OF THE EFFECT OF PHYSICAL STRAIN, HIGH ENVIRONMENTAL TEMPERATURE AND HIGH OXYGEN CONTENT IN INSPIRED AIR ON THE EXCITABILITY OF THE VISUAL ANALYZER IN MAN.
14 Jan 64, 11p 18refs JPRS: 22735 (p. 1-11)
Order from OTS $0.75 in TT-64-21292 (p. 1-11)

Trans. of #Fiziologicheskii Zhurnal SSSR, 1963, v. 49, no. 9, p. 1036-1043.

Petrov, N. M. and Trusov, V. V.
CLINICAL EVALUATION OF THE ABSORPTIVE AND EXCRETORY FUNCTION OF THE LIVER BY MEANS OF ROSE BENGAL TAGGED WITH RADIOIODINE. [1963] [18p] 23refs FASEB manuscript no. S 500-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13444

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 3, p. 51-58.

Shik, L. L.
PROBLEMS OF EVALUATING MAN'S EXTERNAL RESPIRATION FUNCTIONS. 10 Dec 63, 5p FTD-TT-63-916 (p. 53-57).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 53-57)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 199-202.

Shul'ts, N. A.
INFLUENCE OF COSMIC FACTORS ON THE BLOOD SYSTEM [1963] [18p] 31refs
FASEB manuscript no. S 382-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13403

Trans. of #Problemy Gematologii i Perelivaniya Krovi (USSR) 1963, v. 8, no. 3, p. 20-26.
Other translations are available from OTS $0.50 as TT-63-21709, JPRS-18960, 30 Apr 63, 13p, and as TT-63-41136, JPRS-21864, 14 Nov 63, 13p.

Shuvatov, L. P.
A MINIATURE RADIOTELEMETRIC APPARATUS FOR RECORDING PHYSIOLOGICAL FUNCTIONS. 26 Feb 64 [10p] FTD-TT-63-1029.
Order from OTS $0.50 TT-64-11606

Unedited rough draft trans. of mono. Elektonika v Meditsine [Electronics in Medicine] Moscow/Leningrad, 1960, p. 177-182.

Usacheva, I. N.
COMPARATIVE DATA ON THE MORPHOLOGICAL COMPOSITION OF THE PUNTURE MATERIAL AND IMPRINTS OF STERNAL AND FEMORAL BONE MARROW OF HEALTHY DOGS (Sravnitel'nye Dannye Morfologicheskogo Sostova Punktatov i Otpechatkov Kostnogo Mozga Grudiny i Bedra u Zdorovykh Sobak). [1963] [2p] (foreign text included)
Order from OTS, SLA, or ETC $1.10 TT-64-14644

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 56, no. 9, p. 112-113.

Vasileva, V. V.
RADIOTELEMETRIC INVESTIGATIONS OF HEART BEAT FREQUENCY AT SPORTS ACTIVITIES.
10 Dec 63, 2p FTD-TT-63-916 (p. 17-18).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 17-18)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 34-35.

Viru, A. A., Khanson, E. Yu., and Epler, M. A.
ON THE POSSIBILITY OF ESTABLISHING BRIEF DISRUPTIONS IN THE THYTHM OF THE HEART.
10 Dec 63, 2p FTD-TT-63-916 (p. 18-19).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 18-19)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 35-36.

Volkov, A. M.
EMPLOYMENT OF ELECTROENCEPHALOGRAPHY IN HYGIENIC INVESTIGATIONS AND METHODS OF ANALYZING SAME. 10 Dec 63, 2p FTD-TT-63-916 (p. 20-21)
Order from OTS, SLA, or ETC $6.00 in TT-64-13546 (p. 20-21)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 40-42.

Yarotskii, A. I.
ON HOW TO DETERMINE AND INCREASE THE RESISTANCE OF THE ORGANISM TO ROLLING BY THE METHOD OF RAPID HEAD MOVEMENTS.
10 Dec 63, 2p FTD-TT-63-916 (p. 57-58).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 57-58)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 207.

Biochemistry

ACTA BIOCHIMICA POLONICA, 1957, VOL. 4, NOS. 1-4. 1963, 215p PL-480 HEW.
Order from OTS $2.25 TT-60-21377

Translated from Polish.
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ACTA BIOCHIMICA POLONICA, 1963, VOL. 10, NO. 4, P. 321-461. 1963, 1v. PL-480 HEW.
Order from OTS $1.25 TT-63-11406-4

Separate entries have been prepared for the individual articles.

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS NO. 44. 7 Apr 64, 3p JPRS: 24064.
Order from OTS $0.50 TT-64-31005

Trans. of selected abstracts from Referativnyi Zhurnal. [Otdel'nyi Vypusk 30f]: Biologicheskaya Khimiya (USSR) 1963, nos. 17, 20.

Chernitskii, E. A. and Konev, S. V.
POLARIZATION SPECTRA OF PHYCOERYTHRIN FLUORESCENCE. [1964] [9p] 24refs
Order from OTS, SLA, or ETC $1.10 TT-64-14794

Trans. of #Biofizika (USSR) 1963, v. 8, p. 561-568.

Chibisov, A. K. and Karyakin, A. V.
TEMPERATURE DEPENDENCE OF DEACTIVATION OF THE METASTABLE STATE OF CHLOROPHYLL. [1964] 4p 6refs
Order from OTS, SLA, or ETC $1.10 TT-64-14788

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1963, v. 153, no. 5, p. 1132-1135.

Chojnacki, T. and Korzybski, T.
ON THE SPECIFICITY OF CYTIDINE COENZYME IN THE INCORPORATION OF PHOSPHORYLCHOLINE INTO PHOSPHOLIPIDS BY TISSUE HOMOGENATES OF VARIOUS ANIMAL SPECIES. 1963, 7p 17refs PL-480 HEW.
Order from OTS $1.25 in TT-63-11406-4) p. 455-461

Trans. from Acta Biochimica Polonica, 1963, v. 10, no. 4. (Abstract available)

Denisova, A. A., Zaides, A. L., and Mikhailov, A. N.
AMINO-ACID COMPOSITION OF PRODUCTS OF THE FRACTIONATION OF COLLAGEN OF THE DERMIS OF MAMMALS Z. Knowles, tr. 5 Mar 64, 9p 11refs NIH no. 3-7-64.
Order from OTS, SLA, or ETC $1.10 TT-64-13957

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Tekhnologiya Legkoi Promyshlennosti (USSR) 1959, no. 2[9] p. 69-75.

Dobryszycka, Wanda.
PROTEINS OF NORMAL URINE. III. ELECTROPHORETIC SEPARATION OF THE SULPHOSALICYLIC ACID-SOLUBLE PROTEINS. 1963, 8p 13refs PL-480 HEW.
Order from OTS $1.25 in TT-63-11406-4 (p. 345-351)

Trans. from Acta Biochimica Polonica, 1963, v. 10, no. 4. (Abstract available)

Erokhin, Yu. E. and Krasnovskii, A. A.
THE STATE AND TRANSFORMATION OF PIGMENTS IN PURPLE AND GREEN PHOTOSYNTHESIZING BACTERIA. [1964] [12p] 26refs
Order from OTS, SLA, or ETC $1.60 TT-64-14798

Trans. of #Biofizika (USSR) 1963, v. 8 [no. 4] p. 446-456.
Another trans. is available from OTS, SLA, or ETC $2.60 as TT-64-13115, FTD-TT-63-867, 10 Oct 63 [21p].

Evstigneev, V. B.
MECHANISM OF THE PHOTOSENSITIZING ACTION OF CHLOROPHYLL IN VITRO. [1964] [17p] 108refs
Order from OTS, SLA, or ETC $1.60 TT-64-14792

Trans. of #Biofizika (USSR) 1963, v. 8, p. 664-676.

Godnev, T. N., Akulovich, N. K., and Khodasevich, E. V.
CONTRIBUTION OF ESTERIFIED AND UNESTERIFIED PROTOCHLOROPHYLL OF ETIOLATED SEEDLINGS TO THE FORMATION OF CHLOROPHYLL a. [1964] [5p] 19refs
Order from OTS, SLA, or ETC $1.10 TT-64-14797

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1963, v. 150, no. 4, p. 920-923.

Godnev, T. N. and Rotfarb, R. M.
RELATION OF BIOSYNTHESIS OF PHYTOL AND CAROTENOIDS. [1964] [4p] 13refs
Order from OTS, SLA, or ETC $1.10 TT-64-14790

Trans. of Akad[emiya] Nauk SSSR. Doklady 1963, v. 153, no. 3, p. 718-720.

Golankiewicz, K. and Wiewiorowski, M.
CHEMICAL EQUILIBRIUM BETWEEN ORNITHINE AND ITS LACTAM. I. SYNTHESIS OF β-AMINOPIPERIDON AND PRELIMINARY INFORMATION ABOUT ITS BEHAVIOUR IN AQUEOUS SOLUTIONS. 1963, 6p 4refs PL-480 HEW.
Order from OTS $1.25 in TT-63-11406-4 (p. 443-448)

Trans. from Acta Biochimica Polonica, 1963, v. 10, no. 4, (Abstract available)

Hiller, E., Zinnert, F., and Frese, G.
A CONTRIBUTION TO THE QUANTITATIVE DETERMINATION OF AMINO ACIDS BY PAPER CHROMATOGRAPHY (Ein Beitrag zur Quantitativen Bestimmung von Aminosäuren in Papierchromatogrammen). [1963] [13p] (figs omitted) 7refs
Order from SLA $1.60 TT-64-10291

Trans. of Biochemische Zeitschrift (West Germany) 1952, v. 323 [no. 4] p. 245-250.

Hochstrasser, Karl.
ON THE LINKAGE OF CARBOHYDRATE TO PROTEIN IN BARLEY ALBUMIN (Über die Bindungsart von Kohlenhydrat an Protein in Gerstenalbumin)
H. A.G. Nathan, tr. 1964, 5p 10refs NRC Technical Trans. 1111.
Order from NRC $0.50 NRC C-4724

Trans. of Hoppe-Seyler's Z[eitschrift für] Physiol[ogische] Chem[ie] (West Germany) 1961, v. 324, p. 250-253.

Ivanenko, E. F. and Dunaeva, V. F.
CHANGES IN CERTAIN PHYSICO-CHEMICAL PROPERTIES OF CEREBRAL PROTEINS UNDER EXCITATION OF NERVOUS ACTIVITY. 9 Apr 64, 10p 34refs JPRS: 24119; N64-18085.
Order from OTS $0.50 TT-64-31035

Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR) 1964, v. 36, no. 1, p. 72-79.

Kallinikova, V. D. and Roskin, G. I.
BLEPHAROPLAST CYTOCHEMISTRY IN TRYPANOSOMA (SCHIZOTRYPANUM) CRUZI. 18 Dec 63, 7p 21refs JPRS: 22340 (p. 1-7).
Order from OTS $0.50 in TT-64-21051 (p. 1-7)

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 151, no. 6, p. 1437-1440. (Abstract available)

Kanahara, S.
CORRELATION OF THE CONTENTS OF PECTINIC ACID AND METHANOL FOR THE QUALITY OF TOBACCO. [1964] 22p
Order from K-H $13.20 K-H-432-a

Trans. of [Nihon Nogei-Kagakkai Shi] (Japan) 1937, v. 13, p. 444-453.

Konieczny, L. and Domanski, J.
UNREACTIVE THIOL GROUPS IN HUMAN HAEMOGLOBIN. 1963, 12p 23refs PL-480 HEW.
Order from OTS $1.25 in TT-63-11406-4 (p. 325-336)

Trans. from Acta Biochimica Polonica, 1963, v. 10, no. 4. (Abstract available)

Krasnovskii, A. A. and Brin, G. P.
PARTICIPATION OF REDUCED PYRIDINE NUCLEOTIDES IN PHOTOCHEMICAL REDOX REACTIONS. [1964] [5p] 6refs
Order from OTS, SLA, or ETC $1.10 TT-64-14791

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 153, no. 1, p. 212-215.

Krasnovskii, A. A. and Drozdova, N. N.
PHOTOCHEMICAL REACTIONS OF CHLOROPHYLL AND PHOTOSENSITIZATION IN VISCOUS MEDIA. [1964] 5p 6refs
Order from OTS, SLA, or ETC $1.10 TT-64-14789

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1963, v. 153, no. 3, p. 721-724.

Krasnovskii, A. A. and Drozdova, N. N.
REVERSIBLE PHOTOCHEMICAL INTERACTION OF CHLOROPHYLL, BACTERIOCHLOROPHYLL AND BACTERIOVIRIDIN WITH QUINONE AND OXYGEN IN AN ALCOHOL-GLYCEROL MEDIUM. [1964] [5p] 14refs
Order from OTS, SLA, or ETC $1.10 TT-64-14795

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1963, v. 150, no. 6, p. 1378-1381.

Krasnovskii, A. A., Erokhin, Yu. E., and Gulyaev, B. A.
DEPENDENCE OF BACTERIOVIRIDIN LUMINESCENCE ON TEMPERATURE AND THE STATE OF THE PIGMENT IN PHOTOSYNTHESIZING BACTERIA. [1964] [5p] 7refs
Order from OTS, SLA, or ETC $1.10 TT-64-14793

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1963, v. 152, no. 5, p. 1231-1234.
Another trans. is available from OTS $0.50 as TT-64-14793, JPRS-23054, 4 Feb 64, 7p.

Lech, W. and Reifer, I.
PECTINASE INHIBITOR IN RED CURRANT LEAVES. 1963, 6p 5refs PL-480 HEW.
Order from OTS $1.25 in TT-63-11406-4 (p. 449-454)

Trans. from Acta Biochimica Polonica, 1963, v. 10, no. 4. (Abstract available)

Magas, S. and Rozynkowa, Danuta.
THE GASTRIC SECRETION OF IODIDES, A FACTOR LIMITING THE USE OF ^{131}I-LABELLED FAT IN EXPERIMENTAL STUDIES ON INTESTINAL FAT ABSORPTION. 1963, 7p 17refs PL-480 HEW.
Order from OTS $1.25 in TT-63-11406-4 (p. 337-343)

Trans. from Acta Biochimica Polonica, 1963, v. 10, no. 4. (Abstract available)

Makarewicz, W.
AMP-AMINOHYDROLASE AND GLUTAMINASE ACTIVITIES IN THE KIDNEYS AND GILLS OF SOME FRESHWATER VERTEBRATES. 1963, 7p 16refs PL-480 HEW.
Order from OTS $1.25 in TT-63-11406-4 (p. 363-369)

Trans. from Acta Biochimica Polonica, 1963, v. 10, no. 4. (Abstract available)

Makridin, V. P.
POLYTYPIC CONCEPT OF THE SPECIES AND ITS APPLICATION TO THE STUDY OF MESOZOIC BRACHIOPODS (Politipicheskaya Kontseptsiya Vida i Opyt Ee Primeneniya pri Izuchenii Mezozoiskikh Brakhiopod). Nov 63, 10p 24refs
Order from AGI $5.00 in International Geology Review, v. 5, no. 11, p. 1477-1486

Trans. of Paleont[ologicheskii] Zh[urnal] (USSR) 1962, no. 1, p. 7-18. (Abstract available)

Malyoth, G. and Stein, H. W.
OBSERVATION ON THE PAPER CHROMATOGRAPHY OF THE B VITAMINS (Bemerkung zur Papierchromatographie des Aneurins). [1963] [3p] 1ref
Order from SLA $1.10 TT-64-10292

Trans. of Biochemische Zeitschrift (West Germany) 1952, v. 323 [no. 4] p. 265.

Noguchi, Masao, Kokago, Takako, and Tamaki, Einosuke.
ISOLATION OF SHIKIMIC AND QUINIC ACIDS FROM THE TOBACCO LEAF. [1962] 7p (refs omitted) 11refs
Order from SLA $1.10 TT-64-14612

Trans. of [Nihon Nogei-Kagakkai Shi] (Japan) 1961, v. 35, no. 9, p. 868-870.
Another trans. is available from K-H $8.75 as K-H-11560-b [1962] 7p.

Orekhovich, V. N., Tustanovskii, A. A., Orekhovich, K. D., and Plotnikova, N. E.
ON THE PROCOLLAGEN OF THE SKIN [O Prokollagene Kozhi].
Zelda D. Knowles, tr. 10 Feb 55, 12p (figs omitted) 7refs NIH no. 3-11-55.
Order from OTS, SLA, or ETC $1.60 TT-64-15062

Trans. of Biokhimiya (USSR) 1948, v. 13, no. 1, p. 55-60.
Another trans. is available from SLA as RT-2400, 15p

Petit, Leon.
RESEARCHES ON THE NON-ENZYMATIC BROWNING OF GLUCIDIC MEDIA: FRACTIONATION METHOD. [1963] 4p (figs omitted) 3refs
Order from SLA $1.10 TT-64-14551

Trans. of [Academie des Sciences, Paris]. Comptes Rendus (France) 1957 [v. 244] no. 18, p. 2326-2329 (pub. by Gauthier-Villars et Cie., Paris).

Reifer, I. and Morawska, Grazyna.
AN ARGINASE INHIBITOR FROM SUNFLOWER SEEDS (HELIANTHUS ANNUUS). 1963, 5p 1ref PL-480 HEW.
Order from OTS $1.25 in TT-63-11406-4 (p. 413-417)

Trans. from Acta Biochimica Polonica, 1963, v. 10, no. 4. (Abstract available)

Rogulski, J.
THE SULFHYDRYL GROUPS OF CELLULAR FRACTIONS IN THE KIDNEY OF MALEATE-TREATED RATS. 1963, 8p 18refs PL-480 HEW.
Order from OTS $1.25 in TT-63-11406-4 (p. 419-426)

Trans. from Acta Biochimica Polonica, 1963, v. 10, no. 4, (Abstract available)

Sabaldir, A. G.
STUDY OF THE COMPLEX FORMATION OF MYOSIN WITH ADENOSINE TRIPHOSPHORIC AND ADENOSINE DIPHOSPHORIC ACIDS
Z. D. Knowles, tr. 2 Jul 55, 13p 10refs NIH-7-2-55.
Order from OTS, SLA, or ETC $1.60 TT-64-15093

Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR) 1949, v. 21, no. 4, p. 317-323.
Also available from SLA as R-00781, 13p.

Sherstnev, E.A. and Kurilenok, G.V.
INFLUENCE DU BORE SUR L'INCORPORATION DE L'ADENINE-C^{14} DANS L'ACIDE RIBONUCLEIQUE DES FEUILLES ET DES RACINES DU TOURNESOL Vliyanie Bora Na Vklyuchenie Adenina-C^{14} v Ribonukleinovuyu Kislotu List'ev i Kornei Podsolnechcnika) (The Effect of Boron on the Inclusion of Adenine-C^{14} in the Ribonucleic Acid of Leaves and Roots of the Sunflower Plant). 9p. (foreign text included) 15 refs. CNRS-XXVII-193.
Order from OTS, ETC or CNRS $1.10 TT-63-26821

Trans. in French of Akademiya Nauk SSSR. Doklady 1962, v.142, no.5, p.1201-1202.

Shlyk, A. A. and Vetokhina, G. A.
KINETICS OF SPECIFIC ACTIVITIES OF CHLOROPHYLLS a AND b IN A DARKENED PLANT FOLLOWING $C^{14}O_2$ ASSIMILATION. [1964] [5p] 19refs
Order from OTS, SLA, or ETC $1.10 TT-64-14796

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1963, v. 150, no. 4, p. 924-927.

Sierakowska, Halina, Szemplinska, Halina, and Shugar, D.
INTRACELLULAR LOCALIZATION OF PHOSPHODIESTERASE BY A CYTOCHEMICAL METHOD. 1963, 17p 20refs PL-480 HEW.
Order from OTS in $1.25 in TT-63-11406-4 (p. 399-411)

Trans. from Acta Biochimica Polonica, 1963, v. 10, no. 4. (Abstract available)

Skoczylas, Bogna, Gross, Maria, and Panusz, H.
THE REPRODUCIBILITY OF THE COMPOSITION OF DN-PROTEIN ISOLATED FROM PURIFIED THYMUS NUCLEI. 1963, 10p 15refs PL-480 HEW.
Order from OTS $1.25 in TT-63-11406 (p. 353-362)

Trans. from Acta Biochimica Polonica, 1963, v. 10, no. 4. (Abstract available)

Spirin, A. S.
SOME PROBLEMS OF THE MACROMOLECULAR STRUCTURE OF RIBONUCLEIC ACIDS: EXCERPTS. 7 Apr 64, 15p JPRS: 24068.
Order from OTS $0.50 TT-64-31007

Trans. of mono. Nekotorye Problemy Makromolekulyarnoi Struktury Ribonukleinovykh Kislot, Moscow, 1963, p. 3-14, 68-73.

Stelmaszynska, Teresa and Zgliczynski, J. M.
OXIDATION OF CYSTINE BY HYDROGEN PEROXIDE CATALYSED BY HORSE-RADISH PEROXIDASE. 1963, 8p 22refs PL-480 HEW.
Order from OTS $1.25 in TT-63-11406-4 (p. 371-378)

Trans. from Acta Biochimica Polonica, 1963, v. 10, no. 4, (Abstract available)

Tumanyan, V. G. and Kiselev, L. L.
INTERPRETATION OF NUCLEOTIDE SEQUENCE IN CONVEYING RIBONUCLEIC ACIDS. 8 Apr 64, 11p 26refs JPRS: 24086. N64-17976
Order from OTS $0.50 TT-64-31015

Trans. of #Biofizika (USSR) 1963, v. 8, no. 2, p. 147-153.

Uspenskaya, A. V.
HYALURONIDASE AT DIFFERENT STAGES OF THE LIFE CYCLE OF ICHTHYOPHTHYRIUS MULTIFILIS. 18 Dec 63, 5p 22refs JPRS: 22340 (p. 12-16).
Order from OTS $0.50 in TT-64-21051 (p. 12-16)

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 151, no. 6, p. 1475-1478.

Zagalar, B.
CHEMICAL SYNTHESIS OF ALIPHATIC ANALOGUES OF COBINAMIDE COENZYME AND THEIR EFFECT OF ENZYMIC ACTIVITY. 1963, 12p 21refs PL-480 HEW.
Order from OTS $1.25 in TT-63-11406-4 (p. 387-398)

Trans. from Acta Biochimica Polonica, 1963, v. 10, no. 4. (Abstract available)

Zak, Z. and Ostrowski, W.
PREPARATION AND PROPERTIES OF RIBOFLAVIN FLAVOPROTEIN OF SOLUBLE FRACTION OF EGG YOLK. 1963, 15p 39refs PL-480 HEW.
Order from OTS $1.25 in TT-63-11406-4 (p. 427-441)

Trans. from Acta Biochimica Polonica, 1963, v. 10, no. 4. (Abstract available)

Botany

Anliker, R., Beringer, E. and others.
SYNTHESIS OF PHOSPHAMIDON AND ITS DECOMPOSITION IN PLANTS. Jan 64, 7510words
Order from LSA $68.00

Trans. of Helvetica Chimica Acta (Switzerland) 1961, v. 44, no. 6, p. 1622-1645.

Bychenkova, E. A.
THE STUDY OF CALLUS FORMATION IN SEVERAL SHRUBS AND WOODY SPECIES BY TISSUE CULTURE IN VITRO (Issledovanie Kallusoobrazovaniya u Nekotorykh Drevesnykh i Kustarnikovykh Porod Metodom Kul'tury Tkani in Vitro). 18 Mar 64, 6p (fig omitted) 10refs Trans. A-1438.
Order from OTS, SLA, or ETC $1.10 TT-64-15175

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 151, no. 3, p. 732-736.

Godnev, T. N. and Shabelskaya, E. F.
FORMATION OF CHLOROPHYLL AND CAROTENOIDS IN THE FRUIT OF THE TOMATO IN THE PROCESS OF GRADUAL GROWTH AND RIPENING
Gail Bremenstul, tr. 9 Mar 64, 7p 5refs
Order from OTS, SLA, or ETC $1.10 TT-64-15149

Trans. of Akademiya Navuk BSSR [Minsk]. Doklady, 1963, v. 7 [no. 5] p. 347-349.

Kanngiesser, W.
ELECTRON-MICROSCOPIC OBSERVATIONS ON THE JUICE OF HEALTHY TOBACCO PLANTS. [1964] 3p
Order from K-H $1.80 K-H-2545-d

Trans. of die Naturwissenschaften (West Germany) 1952, v. 39, p. 68.

Lorenz, H.-W. and Seehofer, F.
ELECTRICAL RESISTANCE DETERMINATION OF TOBACCO AS A MEANS OF DETERMINING ITS MECHANICAL CHARACTERISTICS. [1963] [14p]
Order from SLA $1.60 TT-64-1062

Trans. of Beit[räge zur] Tabakforsch[ung] 1961, no. 4, p. 125-131.

Masuo, Yutaka, Fukusawa, Masaru, and Tsuzuki, Keiko.
STUDIES ON THE PHYSICAL PROPERTIES OF LEA TOBACCOS. 1. THE TENSILE STRENGTH AND EL GATION OF TOBACCO LEAVES. [1963] 18p 12refs
Order from SLA $1.60 TT-64-14

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenky Hokoku] (Japan) 1961, v. 103, p. 56-62.

Motiu, T.
THE HUMIDITY DETERMINATION OF TOBACCO BY MEANS OF INFRARED RADIATIONS. [1964] 8p (figs omitted) 5refs
Order from SLA $1.10 TT-64-147

Trans. of Industria Alimentara [Produse Vegetale] (Rumania) 1960, v. 11, no. 9, p. 282-284.
Another trans. is available from K-H $5.00 as K-H-11816 [1962] 8p.

Onishi, Isao, Sasaki, Toshiro, and Tokura, Chie.
STUDIES ON THE PHYSICAL AND CHEMICAL CHANGES PRODUCED IN TOBACCO LEAVES BY SI MULTANEOUS APPLICATION OF PRESSURE AND HIGH FREQUENCY WAVES, PT. I. [1962] 32p 6ref
Order from SLA $3.60 TT-64-145

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenky Hokoku (Japan) 1954, v. 90, p. 86-100.
Another trans. is available from K-H $40.00 as K-H-11436-d [1962] 32p.

General Biology

Gol'tsman, O. G.
FORM-DEVELOPING POTENTIALS OF SKIN IN TH PROCESS OF REGENERATION. I. PARTICIPATION OF ALIEN SKIN IN THE PROCESS OF REGENERA TION OF A LIMB OF THE AXOLOTL [Formo-obrazovatel'nye Potentsii Kozhi v Protsesse Regenera Soobshchenie I. Uchastie Chuzherodnoi Kozhi v Protsesse Regeneratsii Konechnosti Aksolotlya]. Z. Knowles, tr. 28 Jun 55, 10p NIH-6-28-55.
Order from OTS, SLA, or ETC $1.10 TT-64-1509

Trans. of Byulleten' Eksper[imental'noi] Biologii i Meditsiny (USSR) 1939, v. 8, no. 2, p. 119-122.
Another trans. is available from SLA as RT-3843, 10 and R-415, 10p.

Kalinin, O. M.
MATHEMATICAL THEORY OF MARKING. 14 Feb 64, 2p 12refs JPRS: 23244 (p. 36-47).
Order from OTS $1.50 in TT-64-21569 (p. 36-47)

Trans. of Primenenie Matematicheskikh Metodov v Biologii (USSR) 1963, v. 2, p. 161-169.

Kozlov, Yu. P., Kalabykha, T. N., Grechko, V. V., Maslova, R. N., and Shkarenkova, L. S.
EFFECTS OF SOME CHEMICAL AGENTS ON LIVING MATTER: THE EFFECT OF ACRYLAMIDE AND ITS HYDROGENATED DERIVATIVE ON IRRADIATED BIOLOGICAL SYSTEMS [AND] THE EFFECT OF HEAVY WATER ON DNA AND PROTEIN PROPERTIES.
9 Apr 64, 10p 27refs JPRS: 24050. N64-18410
Order from OTS $0.50 TT-64-21994

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 152, no. 3, p. 737-743.

Vel'dre, S. R.
STATISTICAL VERIFICATION OF THE COUNTING METHOD OF QUANTITATIVE ANALYSIS OF PLANKTON SAMPLES. 14 Feb 64, 10p 4refs JPRS: 23244 (p. 18-27).
Order from OTS $1.50 in TT-64-21569 (p. 18-27)

Trans. of Primenenie Matematicheskikh Metodov v Biologii (USSR) 1963, v. 2, p. 124-131.

Medical Specialties and Equipment

Babskii, E. B. and Karpman, V. L.
MATHEMATICAL DIFFERENTIATION OF CARDIOLOGICAL CHARACTERISTICS. 10 Dec 63, 2p FTD-TT-63-916 (p. 1-2).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 1-2)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 12.

Baevskii, R. M., Zil'bertal', E. A., Kruzenshtern, V. M., and Freidel', V. R.
USE OF AUTOMATIC LOGICAL DEVICES FOR MEDICAL MONITORING. 9 Apr 64, 9p 1ref JPRS: 24121.
Order from OTS $0.50 TT-64-31037

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963 [v. 56] no. 8, p. 116-120. An unedited rough draft trans. is available from OTS, SLA, or ETC $3.60 in TT-64-13103, FTD-TT-63-1013 (p. 20-28).

Heubner, W.
HISTORICAL NOTE CONCERNING THE DISCOVERY OF SYNAPSES IN THE AUTONOMIC NERVOUS SYSTEM WITH THE AID OF NICOTINE. [1964] 4p
Order from K-H $2.40 K-H-1145-1

Trans. of Naunyn-Schmiedeberg's Arch[iv für] Exp[erimentelle] Pathol[ogie und] Pharm[akologie] (West Germany) 1947, v. 205, p. 33-35.

Isakyan, L. A. and Tarasov, V. A.
METHOD OF ELECTROMETRIC DETERMINATION OF OXYGEN IN EXHALED AIR OF HUMANS.
10 Dec 63, 2p FTD-TT-63-916 (p. 27-28).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 27-28)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 88-89.

Kots, Ya. M.
QUANTITATIVE METHODS OF INVESTIGATING HUMAN MUSCULAR TONUS. 10 Dec 63, 8p FTD-TT-63-916 (p. 28-35).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 28-35)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 98-103.

Kuchin, L. G.
COMPLEX INSTALLATION FOR STUDYING COORDINATIONS OF MOVEMENTS WHEN TURNING BICYCLE PEDALS. 10 Dec 63, 4p FTD-TT-63-916 (p. 37-40).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 37-40)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 104-108.

Kuchin, L. G.
DYNAMOMETRIC BICYCLE PEDALS. 10 Dec 63, 2p FTD-TT-63-916 (p. 36-37).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 36-37)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 104-108.

Kuchin, L. G.
THE VELODYNAMOMETER. 10 Dec 63, 2p FTD-TT-63-916 (p. 35-36)
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 35-36)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 104-108.

Sarychev, S. P.
RADIOTELEMETRIC METHOD OF EXAMINING SPORTSMEN. 10 Dec 63, 3p FTD-TT-63-916 (p. 40-42).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 40-42)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 163-165.

Semernin, I. I. and Sidorenko, V. S.
REMOTE REGISTRATION BY THE METHOD OF TELEMETERING RESPIRATION, PULSE, EGG. 10 Dec 63, 2p FTD-TT-63-916 (p. 42-43).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 42-43)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 165.

Vaiser, V. A. and Rozenblat, V. V.
COMPLEX DECODER FOR MEDICINAL RADIO-TELEMETRY. 10 Dec 63, 2p FTD-TT-63-916 (p. 14-15).
Order from OTS,SLA, or ETC $6.60 in TT-64-13546 (p. 14-15)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 32.

Vasileva, A. V.
ON A METHOD OF TAKING EGG ON BRIDGE CRANE MACHINISTS OF HOT PLANTS IN THE PROCESS OF WORKING. 10 Dec 63, 3p FTD-TT-63-916 (p. 15-17).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 15-17)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 33-34.

Wallhäusser, K. H.
A READING INSTRUMENT FOR THE EVALUATION OF ANTIBIOTICS IN THE DIFFUSION PLATE TEST. [1964] 4p (figs omitted)
Order from SLA $1.10 TT-64-14769

Trans. of Leitz-Mitteilungen für Wissenschaft und Technik [sic] 1961, v. 2, no. 5, p. 146-147.

Microbiology

ISOLATING VIRUSES (DIFFERING FROM THE CAUSATIVE AGENT OF RUSSIAN TICK-BORNE ENCEPHALITIS) FROM IXODES PERSULCATUS TICKS, AND FROM PATIENTS IN WESTERN SIBERIA. [1963] [6p] FASEB manuscript no. S 256-3
Order from OTS, SLA, or ETC $1.10 TT-64-13512

Trans. of #Voprosy Virusologii (USSR) 1963, v. 8, no. 1, p. 98-99.

STUDIES OF PATHOGENIC MICROORGANISMS. 5 Dec 63, 49p 51refs JPRS: 22159.
Order from OTS $1.50 TT-63-41306

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, no. 5, p. 14-23, 31-34, 65-68; no. 6, p. 99-105; no. 7, p. 77-82.

Separate entries have been prepared for the individual articles.

Avanyan, L. A., Gubina, N. E., and Ivanova, V. F.
THE EFFECT OF IRON ON THE VIRULENCE AND IMMUNOGENICITY OF AVIRULENT STRAINS OF PASTEURELLA PESTIS. 5 Dec 63, 9p 11refs JPRS: 22159.
Order from OTS $1.50 in TT-63-41306 (p. 8-16)

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, no. 5, p. 17-23. (Abstract available)

Katsitadze, G. K.
SELECTION OF INDICATOR PHAGES FOR SHIGELLA [1963] [16p] FASEB manuscript no. S 310-3.
Order from OTS, SLA, or ETC $1.60 TT-64-1352

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 2, p. 28-33.

Koval'evskaya, O. M. and Varenko, Yu. S.
VARIABILITÉ DU BACILIE INTESTINAL (B. COLI) E DIRECTION DES BACTÉRIES PATHOGÈNES DU GROUPE INTESTINAL (Variability of Intestinal Bacilli (B. coli) in Relation to Differentiation of Pathogenic Bacteria of the Intestinal Group). 11p. 4refs. CNRS-XVII bis 95.
Order from OTS, ETC or CNRS $1.60 TT-63-269

Trans. in French of Unidentified Russian language article n.d.

Krasnik, F. I.
THE SURVIVAL TIME OF THE AGENT OF EPIDEM TYPHUS. [1963] [14p] 18refs FASEB manuscript no. S 255-3.
Order from OTS, SLA, or ETC $1.60 TT-64-135

Trans. of #Voprosy Virusologii (USSR) 1963, v. 8, no p. 82-87.

Kriss, A. E. and Grave, N. A.
ABOUT ANABIOSIS IN THOUSAND YEAR OLD PERM FROST. 31 Jan 64 [9p] 2refs FTD-TT-63-926.
Order from OTS, SLA, or ETC $1.10 TT-64-150

Unedited rough draft trans. of Mikrobiologiya (USSR) 1944, v. 13, no. 5, p. 251-255.

Levi, M. I., Sagatovskaya, L. A., Suchkov, Yu. G., and Momot, A. G.
SEROLOGICAL INVESTIGATIONS OF PLAGUE. REPT. VIII. THE QUESTION OF THE SENSITIVITY AND SPECIFICITY OF THE ANTIBODY NEUTRALIZATION REACTION IN PLAGUE AND TULAREMIA. 5 Dec 63, 6p 3refs JPRS: 22159.
Order from OTS $1.50 in TT-63-41306 (p. 23-28)

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, no. 5, p. 65-68. (Abstract available)

Martinevskii, L. L., Shashaev, M. A., Tarakanov, N. F., and Shapovalov, A. T.
THE FATE OF PLAGUE BACTERIOPHAGE IN THE ORGANISM OF HEALTHY AND PLAGUE-INFECTED LARGE GERBILS AND POSSIBLE ROUTES OF ITS TRANSMISSION UNDER EXPERIMENTAL CONDITIONS. 5 Dec 63, 6p (figs omitted) 4refs JPRS: 22159.
Order from OTS $1.50 in TT-63-41306 (p. 17-22)

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, no. 5, p. 31-34. (Abstract available)

Romanskaya, L. A.
MULTIPLICATION OF LISTERIA IN THE SOIL. 5 Dec 63, 4p 6refs JPRS: 22159.
Order from OTS $1.50 in TT-63-41306 (p. 29-32)

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, no. 6, p. 99-101. (Abstract available)

Romantsova, V. Ya.
FORMATION OF DOUBLE TRANSFORMANTS IN BACTERIA DURING ASSIMILATION OF HETEROGENIC DNA. [1963] [10p] 11refs FASEB manuscript no. S 231-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13517

Trans. of Mikrobiologichnyi Zhurnal (USSR) 1962, v. 24, no. 6, p. 52-56.

Rykova, V. I. and Domaradskii, I. V.
LIPOLYTIC ACTIVITY OF CERTAIN PATHOGENIC MICROBES. 5 Dec 63, 7p 8refs JPRS: 22159.
Order from OTS $1.50 in TT-63-41306 (p. 1-7)

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, no. 5, p. 14-17. (Abstract available)

Salganik, R. I., Tomsons, V. P., and Protas, L. K.
STUDY OF THE EFFECT OF CERTAIN POLYANIONS ON THE MULTIPLICATION OF THE POLIOMYELITIS VIRUS IN RELATION TO THE PHENOMENA OR RNA DENATURATION. [1963] [9p] 15refs FASEB manuscript no. S 402-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13478

Trans. of #Voprosy Virusologii (USSR) 1963, v. 8, no. 2, p. 155-159.

Sergeeva, T. I.
DETECTION OF BOTULINUS TOXINS AND MICROBES OF THE B AND C TYPES IN THE ORGANISM OF SICK HUMANS AND ANIMALS AND IN CORPSES. 5 Dec 63, 9p 4refs JPRS: 22159.
Order from OTS $1.50 in TT-63-41306 (p. 41-49)

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, no. 7, p. 77-82. (Abstract available)

Tesic, Z.
PROBLEMS OF THE ORIGIN AND CLASSIFICATION OF PHYTOPATHOGENIC BACTERIA. 1963, 20p 56refs PL-480 Agr.
Order from OTS $2.50 in TT-62-11755/4 (p. 127-146)

Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1962, v. 15, no. 50, p. 138-157.

Tsuchiya, T., Shiio, T., Okada, H., Kameyama, I., and Tsunoda, T.
A STUDY OF BACTERIOPHAGES IN L-GLUTAMIC ACID FERMENTATION. PT. 1. CONFIRMATION OF BACTERIOPHAGES. [1964] 7p
Order from ATS $9.00 ATS-51R74J

Trans. of Nihon Nogei-Kagakkai Shi (Japan) 1963, v. 37, no. 11, p. 686-689.

Verbina, N. M.
ACCLIMATIZING YEASTS TO MEDIUM WITH HIGH ALKALINITY (Pryuchenie Drozhzhei k Povyshennoi Shchelochnosti Sredy)
G. Belkov, tr. 1964, 8p 6refs NRC Technical Trans. 1109.
Order from NRC $0.50 NRC C-4712

Trans. of Mikrobiologiya (USSR) 1955, v. 24, no. 6, p. 681-684.

Neurology and Psychiatry

Nepryakhin, G. G.
FAT CELLS OF THE NERVOUS SYSTEM [O Tuchnykh Kletkakh Nervnoe Sistemy]
Z. Knowles, tr. 23 Mar 64, 9p 45refs NIH no. 3-21-64.
Order from OTS, SLA, or ETC $1.10 TT-64-15201

Trans. of Arkhiv Patologii (USSR) 1960, v. 22, no. 10, p. 53-59.
Another trans. is available from OTS $0.50 as TT-61-21693, JPRS-9083, 14 Apr 61, 18p.

Rudnev, V. A.
TWO PHYLOGENETICALLY LATE FOOT REFLEXES IN FRONTAL BRAIN LESION. [1963] [9p] 4refs FASEB manuscript no. S 437-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13467
figs. available on loan from OTS
Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) 1962, v. 62, no. 9. p. 1356-1358.

Pathology

ARCHIVES OF IMMUNOLOGY AND EXPERIMENTAL THERAPY, 1963, VOL. 11, NO. 4, P. 477-700 AND INDEX VOL. 11. 1963, 1v. PL-480 HEW.
Order from OTS $2.25 TT-63-11410/4

English ed. of Archivum Immunologiae et Therapiae Experimentalis (Poland) 1963, v. 11, no. 4.

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EPIDEMIOLOGY REPORTS FROM THE WORLD PRESS NO. 4. 8 Apr 64, 12p JPRS: 24090.
Order from OTS $0.50 TT-64-31019

Trans. of 19 short Dec 63-Mar 64 news items covering incidence and outbreaks of diseases, both human and animal, in various countries.

MEDICAL JOURNAL, 1963, VOL. 85, NO. 2. 1964, 79p PL-480 HEW.
Order from OTS $0.75 TT-63-11458/2

Trans. of Lijecnicki Vjesnik (Yugoslavia) 1963, v. 85, no. 2, p. 117-191.

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MEDICAL JOURNAL, 1963, VOL. 85, NO. 3. 1964, 75p PL-480 HEW.
Order from OTS $0.75 TT-63-11458/3

Trans. of Lijecnicki Vjesnik (Yugoslavia) 1963, v. 85, no. 3, p. 245-320.

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POLISH MEDICAL JOURNAL, 1962, VOL. 1, NO. 4, P. 475-610
E. Paryski, tr. 1962, 1v. 186refs PL-480 HEW.
Order from OTS $1.50 TT-62-11066/4

A Polish journal published in English consisting of articles translated from Przeglad Epidemiologiczny (Poland) 1962, v. 16, nos. 1-4.

Separate entries have been prepared for the individual articles.

POLISH MEDICAL JOURNAL, 1963, VOL. 2, NO. 4, P. 465-615. 1963, 1v. 404refs PL-480 HEW.
Order from OTS $1.50 TT-63-11409/4

A Polish journal published in English consisting of articles translated from various Polish journals.

Separate entries have been prepared for the individual articles.

TREATMENT OF HYPERTENSIVE DISEASE, ACUTE PANCREATITIS, PEPTIC ULCER, AND PELGER'S LEUCOCYTIC ANOMALY. 13 Mar 64, 22p 9refs JPRS: 23667.
Order from OTS $0.75 TT-64-21786

Trans. of Klinicheskaya Meditsina (USSR) 1964, [v. 42] no. 1, p. 41-46, 72-73, 103-106, 138-139.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Adonajlo, A.
COMPARATIVE EVALUATION OF THE IMMUNIZING PROPERTIES OF DOMESTIC ANTI-PERTUSSIS VACCINES IN HUMAN BEINGS. 1962, 12p 8refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11066/4 (p. 576-587)

Trans. from Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 2, pub. in Polish Medical Journal, 1962, v. 1, no. 4, p. 576-587.

Baldor, Julain F.
THE CIGARETTE AND THE SMOKER: ITS CONTRIBUTIONS TO LUNG CANCER. [1963] 29p 28refs
Order from SLA $2.60 TT-64-1060

Trans. of Revista Médica Cubana, 1959, v. 70, no. 9, p. 441-460.

Barni, Mauro.
DEATH FROM ACUTE CORONARY INSUFFICIENCY IN CHRONIC NITROGLYCOL POISONING. Jan 64, 3050words
Order from LSA $30.75

Trans. of Accademia dei Fiziocritica, Siena, Sezione Medico-Fisica, Atti (Italy) 1957 [ser. 13] v. 4, p. 221-230.

Bergol'ts, V. M.
LATEST EXPERIMENTAL DATA ON THE ETIOLOGY OF LEUKOSES. 20 Feb 64 [16p] 55refs FTD-TT-63-1171.
Order from OTS, SLA, or ETC $1.60 TT-64-15084

Unedited rough draft trans. of Uspekhi Sovremennoi Biologii (USSR) 1959, v. 47, no. 3, p. 390-396.

Borodulin, Yu. D.
SKIN THERMOMETRY OF THE ANTEROLATERAL SURFACE OF THE CHEST IN THE DIAGNOSIS OF CORONARY INSUFFICIENCY (Termometriya Kozhnykh Pokrovov Perednebokovoi Poverkhnosti Grudnoi Kletki v Diagnostike Koronarnoi Nedostatochnoi). [1963] [13p] 12refs FASEB manuscript no. S 266-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13510

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 2, p. 37-42.

Budzhe, M. M. and Izrailet, L. I.
SIGNIFICANCE OF LOCAL (TOPOGRAPHIC) LEUKOCYTOSIS IN DIFFERENTIAL DIAGNOSIS OF CERTAIN ACUTE INTESTINAL INFECTIONS. [1963] [15p] 20refs FASEB manuscript no. S 485-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13448

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 26, no. 3, p. 118-124.

Cadariu, Gh.
PROSPECTS FOR DEVELOPMENT OF HYGIENE AND LABOR PROTECTION IN RUMANIA. 7 Apr 64, 16p JPRS: 24060.
Order from OTS $0.50 TT-64-31002

Trans. of Igiena (Rumania) 1964, v. 13, no. 1, p. 1-10.

Chorzelski, T. and Langner, A.
THE INFLUENCE OF MAGNESIUM IONS ON ACANTHOLYSIS INDUCED ARTIFICIALLY IN VITRO BY MEANS OF CANTHARIDIN. 1963, 2p 8refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 609-610)

Trans. from Przeglad Dermatologiczny (Poland) 1962, v. 49, no. 5, suppl., pub. in Polish Medical Journal, 1962, v. 2, no. 4, p. 609-610.

Chorzelski, T., Milewski, B., and Langner, A.
COMPARATIVE CYTOLOGICAL AND HISTOPATHOLOGICAL STUDIES ON SPONTANEOUS AND INDUCED ACANTHOLYSIS. 1963, 2p 5refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 611-612)

Trans. from Przeglad Dermatologiczny (Poland) 1962, v. 49, no. 5, suppl., pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 611-612.

Czarnecki, L., Granicki, O., Osuch, R., and Szczglowski, J.
THE PROBLEM OF EPIDEMIC HEPATITIS IN PREGNANT WOMEN. 1962, 7p 13refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11066/4 (p. 543-549)

Trans. from Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 2, pub. in Polish Medical Journal, 1962, v. 1, no. 4, p. 543-549.

Damir, A. M. and Sarankin, G. E.
CORONARY CIRCULATION IN PNEUMOSCLEROSIS. [1963] [18p] 15refs FASEB manuscript no. S 264-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13511

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 2, p. 16-22.

Dobrowolska, H.
STUDIES ON THE DURATION OF HUMORAL IMMUNITY IN PERSONS VACCINATED AGAINST POLIOMYELITIS. 1962, 9p 8refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11066/4 (p. 501-509)

Trans. from Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 4, pub. in Polish Medical Journal, 1962, v. 1, no. 4, p. 501-509.

Efremova, V. N.
REACTOGENICITY AND IMMUNOLOGICAL CHANGES IN HUMAN SERA AFTER AEROSOL IMMUNIZATION WITH TYPHOID MONOVACCINE. [1963] [17p] 12refs FASEB manuscript no. S 313-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13521

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 2, p. 51-57.

Fastovskii, Ya. A. and Nevskii, B. N.
THE "AIR-FILLED ARROWHEAD" SYMPTOM IN THE DIAGNOSIS OF INJURIES TO THE MUCOSA OF THE CERVICAL REGION OF THE ESOPHAGUS (Simptom "Vozdushnoi Strelki" v Diagnostike Povrezhdenii Slizistoi Obolochkoi Sheinogo Otdela Pishchevoda). [1963] [7p] 12refs FASEB manuscript no. S 480-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13453
figs. available on loan from OTS
Trans. of Sovetskaya Meditsina (USSR) 1963, v. 26, no. 3, p. 69-72.

Gajda, A.
RESULTS OF THE FOLLOW-UP OF THE PATIENTS WITH EPIDEMIC HEPATITIS DISCHARGED FROM HOSPITALS. 1962, 7p PL-480 HEW.
Order from OTS $1.50 in TT-62-11066/4 (p. 556-562)

Trans. from Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 2, pub. in Polish Medical Journal, 1962, v. 1, no. 4, p. 556-562.

Golba, J. and Waluszkiewicz, H.
PROPHYLACTIC ACTION OF GAMMA-GLOBULIN IN PREVENTING SPREAD OF EPIDEMIC HEPATITIS AMONG CHILDREN. 1962, 3p 8refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11066/4 (p. 550-552)

Trans. from Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 2, pub. in Polish Medical Journal, 1962, v. 1, no. 4, p. 550-552.

Goldeck, H.
CLINICAL STUDIES ON LIPOTROPIC MUCIN ACTIVITY. [1963] 6p
Order from SLA $1.10 TT-64-14609

Partial trans. (p. 56-59) of Ärztl[iche] Forsch[ung] (West Germany) 1958, v. 12, no. 2, p. 53-60.

Grynsztajn, A., Laciak, J., and Mioduszewska, O.
HISTOLOGIC DIAGNOSIS OF PRECANCEROUS CONDITIONS AND OF PREINVASIVE CANCER OF THE LARYNX. 1963, 15p 27refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 559-573)

Trans. from Nowotwory (Poland) 1962, v. 12, no. 2, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 559-573.

György, Gy. and Laszlo, J.
HISTOPATHOLOGIC STUDIES ON REMOVED CERVICAL STUMPS WHICH PRODUCED CLINICAL TROUBLES. Jan 64, 2300words
Order from LSA $20.00

Trans. of Zentralblatt für Gynäkologie (East Germany) 1960, v. 82, no. 10, p. 387-395.

Hambresin, L. and Schepens, C. L.
TOBACCO AMBLYOPIA AND HEREDOFAMILLAL OPTIC ATROPHY. [1964] 15p
Order from K-H $9.00 K-H-2149-f

Trans. of Ophthalmologica (Switzerland) 1949, v. 118, p. 751-763.

Kanabus, F., Antosiewicz, M., and Plewinska, T.
GANGRENE OF THE EXTREMITIES DUE TO CHANGES IN THE VENOUS SYSTEM (PHLEGMASIA COERULEA DOLENS). 1963, 8p 23refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 551-558)

Trans. from Polski Tygodnik Lekarski, 1963, v. 18, no. 6,pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 551-558.

Kardaszewicz, E.
INFLUENCE OF BLOOD TRANSFUSION ON THE APPEARANCE OF LEUKO-AGGLUTININS. 1963, 3p PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 485-487)

Trans. from Polskie Archiwum Medycyny Wewnetrznej, 1962, v. 32, no. 7, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 485-487. (Abstract available)

Kardaszewicz, E. Masny, N., and Singer, Z.
CLINICAL STUDIES ON LACTIC ACID DEHYDROGENASE OF LEUKOCYTES. 1963, 7p 19refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 488-494)

Trans. from Polskie Archiwum Medycyny Wewnetrznej, 1962, v. 32, no. 1, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 488-494.

Kassur, B. and Hornik, J.
EPIDEMIC HEPATITIS AND PREGNANCY. 1962, 6p 17refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11066/4 (p. 537-542)

Trans. from Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 2, pub. in Polish Medical Journal, 1962, v. 1, no. 4, p. 537-542.

Korshunova, O. S.
ETIOLOGY OF TICK EXANTHEMATOUS TYPHUS IN THE KRASNOYARSK REGION
Z. D. Knowles, tr. 11 Jul 55, 9p NIH-7-11-55.
Order from OTS, SLA, or ETC $1.10 TT-64-15091

Trans. of Zhurnal Mikrobiol[ogii] Epid[emiologii] i Immunobiologii (USSR) 1943, no. 1/2, p. 59-64.
Also available from SLA as R-222, 9p.

Kostrzewski, J. and Wojdon, H.
SOME REMARKS ON THE EPIDEMIOLOGY OF SPORADIC TYPHUS FEVER IN POLAND. 1962, 5p 3refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11066/4 (p. 571-575)

Trans. from Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 4, pub. in Polish Medical Journal, 1962, v. 1, no. 4, p. 571-575.

Koziorowski, A. and Radwan, L.
ASTRUP'S METHOD IN THE STUDY OF ACID-BASE DISTURBANCES DURING CHRONIC RESPIRATORY FAILURE. 1963, 7p 6refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 506-512)

Trans. from Polski Tygodnik Lekarski, 1963, v. 18, no. 5, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 506-512. (Abstract available)

Krummel, H.
THE DISCOVERY OF THE AMOEBAE SPECIES IN HUMAN EYE (Entokie Einer Amöben-Species im Menshlichen Auge). Presented on the Convention [no. 57] of the German Ophthalmological Society, Heidelberg, 1957. [1964] [16p] (foreign text included) 7refs
Order from SLA $1.60 TT-64-14851

Trans. of Archiv für Hygiene und Bakteriologie (West Germany) 1956, v. 140, p. 253-263.

Kulesza, A.
EPIDEMIC HEPATITIS IN POLAND IN THE DECADE 1951-60. 1962, 8p 12refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11066/4 (p. 510-517)

Trans. from Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 2, pub. in Polish Medical Journal, 1962, v. 1, no. 4, p. 510-517.

Kulesza, A.
POLIOMYELITIS IN POLAND IN 1961. 1962, 6p 5refs PL-490 HEW.
Order from OTS $1.50 in TT-62-11066/4 (p. 475-480)

Trans. from Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 4, pub. in Polish Medical Journal, 1962, v. 1, no. 4, p. 475-480.

Kulesza, A.
THE SAFETY OF VACCINATION WITH ATTENUATED TYPE 1 CHAT AND TYPE 3 W-FOX POLIOMYELITIS VIRUS STRAINS. 1962, 13p 9refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11066/4 (p. 481-492)

Trans. from Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 4, pub. in Polish Medical Journal, 1962, v. 1, no. 4, p. 481-492.

Kulesza, A., Taytsch, F. Z. and others.
THE ROLE OF NONPOLIOMYELITIC ENTEROVIRUSES IN DISEASES NOTIFIED AS POLIOMYELITIS. 1962, 7p 13refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11066/4 (p. 494-500)

Trans. from Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 4, pub. in Polish Medical Journal, 1962, v. 1, no. 4, p. 494-500.

Kumlin, T.
THE EFFECT OF TOBACCO ON THE CARDIOVASCULAR SYSTEM AND EXPERIENCES WITH SMOKING HABIT BREAKING THERAPY. [1962] 15p 39refs
Order from SLA $1.60 TT-64-10593

Trans. of Duodecim (Finland) 1959 [v. 75] no. 1 [p. 1-9].
Another trans. is available from K-H $18.75 as K-H-9372-c [1962] 15p

Lickint, Fritz.
CONSUMPTION OF TOBACCO AND ALCOHOL AMONG 100 MEN OVER 90 YEARS OLD. [1963] 9p
Order from SLA $1.10 TT-64-10665

Trans. of [die] Medizinische Welt (Germany) 1929, v. 3, no. 8, p. 261-263.

Lickint, F[ritz].
EXPERIMENTAL AND STATISTICAL INVESTIGATIONS ON THE TOBACCO-SMOKE ETIOLOGY OF LUNG CANCER. [Paper from] Symposium on Questions of Carcinogenesis, Berlin, 11-16 Dec 59. [1963] 18p
Order from SLA $1.60 TT-64-10672

Trans. of Akademie der Wissenschaften, Berlin. Klasse für Medizin. Abhandlungen (Germany) 1960, no. 3, p. 187-197.
Another trans. is available from K-H $25.00 as K-H-11499-e [1962] 20p.

Lickint, F[ritz].
RECENT OBSERVATIONS IN THE FIELD OF THE RELATION BETWEEN SMOKERS' BRONCHITIS AND BRONCHIAL CANCER. [1963] 7p
Order from SLA $1.10 TT-64-10632

Trans. of Deutsch[e] Gesellsch[aft für] Inn[ere] Med[izin]. Verhandl[ungen] (Germany) 1956, v. 62, p. 121-125.
Another trans. is available from K-H $8.75 as K-H-9149-b [1962] 7p.

Luciak, M. and Baranska-Gachowska, M.
DENTAL PULP IN EXPERIMENTAL HYALURONIDASE INDUCED LESION OF PARODONTAL TISSUE IN WHITE RATS. 1963, 9p 14refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 597-605)

Trans. from Czasopismo Stomatologiczne (Poland) 1963, v. 16, no. 8, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 597-605. (Abstract available)

Lupu, N. Gh. and Velican, C.
NON-OCCUPATIONAL PNEUMOCONIOSIS. [1963] 13p 11refs
Order from SLA $1.60 TT-64-10663

Trans. of Minerva Medica (Italy) 1957, v. 48, p. 1352-1355.

Maksimovich, N. A. and Lebedeva, O. P.
EFFECT OF INJECTION OF BONE MARROW CELLS UPON MORPHOLOGICAL MANIFESTATIONS OF EXPERIMENTAL INFLUENZA IN IRRADIATED ANIMALS. 6 Apr 64, 8p 11refs JPRS: 24056. N64-18096
Order from OTS $0.50 TT-64-31000

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 153, no. 4, p. 950-953.

Mestitzova, M. and Kossey, P.
EXPERIMENTAL CONTRIBUTION TO THE PROBLEM OF THE GENESIS OF LUNG CANCER. [1963] 23p (figs omitted) 45refs
Order from SLA $2.60 TT-64-14514

Trans. of Neoplasma (Czechoslovakia) 1961, v. 8, no. 1, p. 27-39.
Another trans. is available from K-H $14.13 as K-H-11092-c [1962] 23p.

Miani, P. and Maffei, G.
THE ACTION OF TOBACCO SMOKE ON THE RESPIRATORY PASSAGES AND ORGANS. [1962] [44p] 68refs
Order from SLA $4.60 TT-64-14513

Trans. of Arch[ivio] Ital[iano di] Otol[ogia, Rinologia, e Laringologia] 1960, v. 71, p. 376-408.
Another trans. is available from K-H $52.50 as K-H-10938-b [1962].

Michailow, W. and Raitschew, R.
CHANGES IN THE MUCOSA OF THE LARYNX UNDER THE INFLUENCE OF THE SMOKING OF TOBACCO. [1962] 9p (figs omitted)
Order from SLA $1.10 TT-64-14581

Trans. of Strahlentherapie (West Germany) 1958, v. 105, no. 1 [p. 39-44].
Another trans. is available from K-H $11.25 as K-H-8500-d [1962] 9p.

Milhaud, G., Remagen, W., Gomes de Matos, A., and Aubert, J. P.
STUDY OF CALCIUM METABOLISM IN THE RAT WITH CALCIUM 45. I. EXPERIMENTAL RICKETS (Etude du Métabolisme du Calcium Chez la Rat à L'Aide du Calcium 45: I. Le Rachitisme Expérimental). [1963] 20p (figs omitted) 9refs
Order from SLA $1.60 TT-63-20896

Trans. of Rev[ue] Franc[aise d'] Etudes Clin[iques] et Biol[ogiques] (France) 1960, v. 5, p. 254-261.

Minku [Ya].
PATHOHISTOLOGICAL AND HISTOCHEMICAL STUDY OF HEPATITIS. [1963] [19p] FASEB manuscript no. S 355-2.
Order from OTS, SLA, or ETC $1.60 TT-64-13408
figs. available on loan from OTS
Trans. of Fiziologichnyi Zhurnal (USSR) 1962, v. 8, no. 4, p. 532-542.

Miyamoto, Eiji, Tobisawa, Minoru, Kaiho, Hiroyoshi, and Usubuchi, Isamu.
ENDEMIC GOITERS IN WAKKANAI AREA, REPT. 2. [1963] [16p] (foreign text included) 6refs
Order from SLA $1.60 TT-64-14658

Trans. of [Hokkaido Igaku Zasshi] (Japan) 1942, v. 20, p. 442-448.

Monasterio, G.
A SERIOUS DANGER TO HEALTH: TABAGISM. [1962] 24p
Order from SLA $2.60 TT-64-14573

Trans. of Riforma Medica (Italy) 1960, v. 74, no. 35, p. 989-996.
Another trans. is available from K-H $30.00 as K-H-10764-c [1962].

Monnet, R. and Viala, A.
SOME REMARKS ON POISONING PRESUMED TO BE DUE TO TOBACCO. [1963] 6p
Order from SLA $1.10 TT-64-14525

Trans. of Annales de Médecine Légale (France) 1960, v. 40, no. 1, p. 40-43.
Another trans. is available from K-H $7.50 as K-H-10401-e, Dec 60, 6p.

Montoreano, Felix and Rabenko, Jose.
BALLISTOCARDIOGRAPHIC CONTROL OF SENSIBILITY TO TOBACCO IN CANCER OF THE LUNG PATIENTS OF ADVANCED AGE. [1962] 10p 27refs
Order from SLA $1.10 TT-64-14584

Trans. of [Asociacion Médica Argentina, Buenos Aires, Revista] 1957, v. 71, no. 7, p. 208-212.
Another trans. is available from K-H $12.50 as K-H-8619-f [1962] 10p.

Murawski, K., Wald, I., and Szymanowska, Z.
SERUM HAPTOGLOBINS IN HEPATOLENTICULAR DEGENERATION. 1963, 5p 32refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 501-505)

Trans. from Polskie Archiwum Medycyny Wewnetrznej, 1962, v. 32, no. 8, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 501-505.

Mustakallio, S.
LARYNX AND HYPOPHARYNX CARCINOMA, ITS X-RAY TREATMENT AND THE RESULTS OF THE THERAPY. [1962] 26p (figs omitted) 13refs
Order from SLA $2.60 TT-64-14572

Trans. of Acta Radiologica (Sweden) 1944, v. 25, p. 13-32.
Another trans. is available from K-H $32.50 as K-H-9523 [1962] 26p.

Navarrete y Sierra, A.
TOBACCO AND CANCER. [1962] 6p
Order from SLA $1.10 TT-64-14560

Trans. of la Liga Contra el Cancer. Boletin (Cuba) 1957, v. 32, no. 1 [p. 1-4].
Another trans. is available from K-H $7.50 as K-H-6574-b [1962] 6p.

Navarrete y Sierra, A.
TOBACCO AND CANCER. [1962] 2p
Order from SLA $1.10 TT-64-14561

Trans. of la Liga Contra el Cancer. Boletin (Cuba) 1957, v. 32, no. 3, p. 78.
Another trans. is available from K-H $2.50 as K-H-6821-c [1962] 2p.

Neukomm, S.
INVESTIGATION OF THE IMPORTANCE OF AIR POLLUTION AND PARTICULARLY TOBACCO SMOKE IN THE ETIOLOGY OF CANCER OF THE LUNGS. [Feb 61] 19p 67refs
Order from SLA $1.60 TT-64-14556

Trans. of Oncologia (Switzerland) 1960, v. 13, no. 2, p. 252-266.
Another trans. is available from K-H $23.75 as K-H-10573-c, Feb 61, 5016 words.

Neukomm, S.
A SENSITIVE AND ULTRARAPID TEST OF THE CANCEROGENIC POWER OF CERTAIN CHEMICAL SUBSTANCES. [1963] 17p (figs omitted) 23refs
Order from SLA $1.60 TT-64-14555

Trans. of Oncologia (Switzerland) 1957, v. 10, no. 2, p. 107-119.
Another trans. is available from K-H $21.25 as K-H-6609-b [1962] 17p.

Neyman, K. and Walter, T.
AN ATTEMPT TO EVALUATE THE EFFECT OF GAMMA-GLOBULIN IN AN EPIDEMIC OF EPIDEMIC HEPATITIS. 1962, 3p 2refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11066/4 (p. 553-555)

Trans. from Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 2, pub. in Polish Medical Journal, 1962, v. 1, no. 4, p. 553-555.

Oszacki, J., Horzela, T., Sznapka, Z., Szybinski, Z., and Ostrowski, W.
ALBUMIN ABSORPTION IN THE DIGESTIVE TRACT OF PATIENTS WITH GASTRIC CANCER. 1963, 4p 13refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 547-550)

Trans. from Polski Przeglad Chirurgiczny, 1962, v. 34, no. 11, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 547-550. (Abstract available)

Öttel, H.
CANCEROGENIC SUBSTANCES, OCCUPATIONAL CANCER, AND CANCER MORTALITY. [1962] 30p 93refs
Order from SLA $2.60 TT-64-14550

Trans. of Angew[andte] Chem[ie] (West Germany) 1958, v. 70, no. 17/18, p. 532-539.
Other translations are available from SLA mi$2.70, ph$4.80 as TT-59-10720 [1958] 24p and $1.60 as TT-61-20649 [1961] 17p and from K-H $37.50 as K-H-9298-e [1962] 30p.

Pammatau, E.
THE NICOTINE TEST IN POLYURO-POLYDIPSIC SYNDROMES. [1963] 20p (refs omitted)
Order from SLA $1.60 TT-64-14566

Trans. of Pathologie et Biologie (France) 1958, v. 6, p. 966-972.

Another trans. is available from K-H $25.00 as K-H-10764-d [1962].

Paramonova, E. G. and Prostyakov, K. M.
THE FUNCTIONAL STATE OF THE THYROID GLAND IN PATIENTS WHO HAVE HAD MYOCARDIAL INFARCTION (Funktsional'noe Sostoyanie Shchitovidnoi Zhelezy u Vol'nykh, Perenesshikh Infarkt Miokarda). [1963] [12p] 13refs FASEB manuscript no. S 267-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13509

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 2, p. 54-58.

Pavlov, V. P.
PNEUMOGRAPHY OF THE KNEE JOINT IN PATIENTS WITH NONSPECIFIC INFECTIONAL ARTHRITIS (Pnevmographiya Kolennogo Sustava u Bol'nykh Infektsionnym Nespetsificheskim Polyartritom). [1963] [13p] 4refs FASEB manuscript no. S 483-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13450

Trans. of Sovetskaya Meditsina (USSR) 1963 v. 26, no. 3, p. 110-114.

Pestalozza, Giulio.
CLINICAL AND HISTOPATHOLOGICAL CONSIDERATIONS ON THE ACTION OF TOBACCO SMOKE ON THE BRONCHIAL MUCOSA. [1962] 13p (figs omitted) 15refs
Order from SLA $1.60 TT-64-14531

Trans. of Arch[ivio] Ital[iano di] Otol[ogia, Rinologia, e Laringologia] 1959, v. 70, no. 1, p. 84-95.
Another trans. is available from K-H $16.25 as K-H-9440-a [1962] 13p.

Pineles, S.
PREVENTIVE TREATMENT OF BRONCHOPULMONARY CANCER. [1962] 12p 21refs
Order from OTS, SLA, or ETC $1.60 TT-64-14602

Trans. of #Vopr[osy] Onkol[ogii] (USSR) 1961, v. 7, no. 7, p. 105-111.
Another trans. is available from K-H $15.00 as K-H-11538-a [1962] 12p

Pirogova, T. F. and Stradyn', P.
PROTEIN CHANGES IN THE CEREBROSPINAL FLUID AND BLOOD SERUM IN DISSEMINATED SCLEROSIS. [1963] [13p] 20refs FASEB manuscript no. S 436-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13468

Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) 1962, v. 62, no. 9, p. 1350-1355.

Pisarevskii, Yu. S.
ANATOMICAL-PHYSIOLOGICAL PROPERTIES OF HUMAN AND ANIMAL REPIRATORY SYSTEMS IN IMMUNOGENESIS THROUGH THE AEROSOL VACCINATION METHOD. REPT. II. TISSUE-PROTECTIVE FUNCTION OF THE LUNG PARENCHYMA AND THE LYMPHATIC SYSTEM OF THE RESPIRATORY ORGANS. 5 Dec 63, 8p 26refs JPRS: 22159.
Order from OTS $1.50 in TT-63-41306 (p. 33-40)

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, no. 6, p. 101-105. (Abstract available)

Polenko, V. K., Orlova, M. V., and Rutkovskii, V. V.
THE CLINICAL PICTURE OF WALDENSTROM'S MACROGLOBULINEMIA. [1963] [10p] 8refs FASEB no. S 486-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13447

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 26, no. 3, p. 127-131.

Pommatau [E.] and Bail, C.
THE NICOTINE TEST IN POLYURIA AND POLYDIPSIA SYNDROMES. [1963] 17p (refs omitted)
Order from SLA $1.60 TT-64-14523

Trans. of Lyon Médical (France) 1958 [v. 200] no 39, p. 385-406.
Another trans. is available from K-H $21.25 as K-H-8599-b [1962] 17p.

Proosdij, C. van.
TOBACCO USE AND MEDICINE, I. [1962] 16p 58refs
Order from SLA $1.60 TT-64-14544

Trans. of Nederlands Tijdschrift voor Geneeskunde, 1958, v. 102, 13 Sep, p. 1808-1812.
Another trans. is available from K-H $20.00 as K-H-9002-b [1962] 16p.

Proosdij, C. van.
TOBACCO USE AND MEDICINE, II. [1962] 15p 40refs
Order from SLA $1.60 TT-64-14543

Trans. of Nederlands Tijdschrift voor Geneeskunde, 1958, v. 102, 20 Sep, p. 1858-1863.
Another trans. is available from K-H $18.75 as K-H-9002-c [1962] 15p.

Rabinovich, P. D. and Kublanov, L. A.
HEREDITY IN THE PATHOGENESIS OF GASTRIC AND DUODENAL ULCERS. [1963] [11p] 25refs
FASEB manuscript no. S 494-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13473

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 3, p. 12-15.

Racugno, Vincenzo.
LEUKOPLAKIA OF THE PALATE IN SMOKERS WITH THE "FOGU A 'INTRU" HABIT. [1962] 13p (figs omitted)
Order from SLA $1.60 TT-64-14545

Trans. of Radiobiologia, Radioterapia e Fisica Medica (Italy) 1958, v. 13, no. 2, p. 157-166.
Another trans. is available from K-H $16.25 as K-H-8650-d [1962] 13p.

Rejowa, A.
STUDIES ON ALIMENTARY CHYLOMICRONEMIA IN PATIENTS WITH CORONARY ATHEROSCLEROSIS. 1963, 6p 27refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 495-500)

Trans. from Polskie Archiwum Medycyny Wewnetrznej, 1962, v. 32, no. 6, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 495-500.

Revelli, E.
TABAGISM AND PREGNANCY. [1962] 8p
Order from SLA $1.10 TT-64-14603

Trans. of Minerva Ginecologica (Italy) 1961, v. 13, no. 1, p. 35-37.
Another trans. is available from K-H-$10.00 as K-H-11548-f [1962] 8p.

Roegholt, M. N.
SMOKING AND LUNG CANCER. [1962] 39p 275refs
Order from SLA $3.60 TT-64-14512

Trans. of Ned[erlands] T[ijdschrift voor] Geneesk[unde] 1960, v. 104, 22 Oct, p. 2113-2123.
Another trans. is available from K-H $35.00 as K-H-10843-b [1962].

Roffo, A. H.
PALE TOBACCO AS CANCEROGENIC AGENT. [1962] 17p 2refs
Order from SLA $1.60 TT-64-14515

Trans. of Inst[ituto de] Med[icina] Exp[erimental para el Estudio y Tratamiento del Cancer]. Bol[etin] Argentina) 1938, v. 15, no. 47, p. 5-22.
Another trans. is available from K-H $21.25 as K-H-9353d [1962] 17p.

Rudski, E. and Moskalewska, K.
STUDIES ON THE ROLE OF BACTERIAL ALLERGY IN NODULAR LESIONS OF VASCULAR ORIGIN. 1963, 3p 15refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 606-608)

Trans. from Przeglad Dermatologiczny (Poland) 1962, v. 49, no. 5, suppl., pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 606-608. (Abstract available)

Schettler, G.
THE DIAGNOSIS AND TREATMENT OF CHRONIC PANCREOPATHIES. [1963] 3p (figs omitted) 14refs
Order from SLA $1.10 TT-64-14610

Trans. of Ärztl[iche] W[ochen]schrift (Germany) 1956, v. 11, no. 25/26, p. 550-551.

Shichijo, Kojiro.
ENDEMIC GOITER. [1963] [110p] (foreign text included) 103refs
Order from SLA $9.10 TT-64-14654

Trans. of [Nihon Naibumpi Gakkai Zasshi] (Japan) 1953, v. 29, no. 7/8, p. 155-188.

Slivko, I. M. and Torkanovskii, P. B.
POSING THE QUESTION OF ALTERATIONS OF THE COURSE OF EPILEPTIC MANIFESTATIONS UNDER THE EFFECT OF ARTIFICIAL PNEUMOTHORAX
Preliminary rept. Zelda D. Knowles, 31 Aug 55, 16p
NIH no. 9-25-55.
Order from OTS, SLA, or ETC $1.60 TT-64-15066

Trans. of Vrachebnoe Delo (USSR) 1935, v. 18, no. 8, p. 695-700.

Smirnova, E. V.
UTERINE FIBROMYOMA AND MYOMETRIUM PROTEINS. [1963] [7p] 9refs FASEB manuscript no. S 453-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13486

Trans. of #Voprosy Onkologii (USSR) 1963, v. 9, no. 4, p. 58-61.

Solomatina, O. G., Lyapunova, A. P., Levina, S. I., and Kogan, N. M.
DIFFERENTIAL APPROACH TO THE DIAGNOSIS OF MITRAL STENOSIS IN CHILDREN. [1963] [17p] 12p FASEB manuscript no. S 195-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13519
figs. available on loan from OTS
Trans. of Sovetskaya Meditsina (USSR) 1963, v. 26, no. 1, p. 85-90.

Sugimura, Taro.
ENDEMIC GOITER IN HOKKAIDO. [1963] [2p] (foreign text included)
Order from SLA $1.10 TT-64-14656

Trans. from [Hokkaido Igaku Zasshi] (Japan) 1942, v. 20, p. 1620.

Szczygiel, B.
EXPERIMENTAL STUDIES ON THE MECHANISM OF ASCITES FORMATION. 1963, 10p 20refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 519-528)

Trans. from Polski Tygodnik Lekarski, 1963, v. 18, no. 1, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 519-528. (Abstract available)

Szmuness, W.
ANALYSIS OF AN EPIDEMIC OF EPIDEMIC HEPATITIS IN A RURAL AREA. 1962, 10p 25refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11066/4 (p. 518-527)

Trans. from Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 1, pub. in Polish Medical Journal, 1962, v. 1, no. 4, p. 518-527.

Szmuness, W.
REMARKS CONCERNING THE INCIDENCE AND EPIDEMIOLOGY OF EPIDEMIC HEPATITIS IN CITY AND RURAL SCHOOLS. 1962, 9p 28refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11066/4 (p. 528-536)

Trans. from Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 2, pub. in Polish Medical Journal, 1962, v. 1, no. 4, p. 528-536.

Timoshechkina, M. E.
THE INFLUENCE OF TISSUE PREPARATIONS ON THE RESISTANCE OF ANIMALS TO TRANSPLANTABLE TUMORS. [1963] [6p] 11refs FASEB manuscript no. S 449-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13464

Trans. of #Voprosy Onkologii (USSR) 1963, v. 9, no. 2, p. 98-101.

Tsukershtein, E. I. and Samulevich, M. Ya.
CHANGES IN EYE BLOOD VESSELS IN RHEUMATISM. [1963] [7p] 7refs FASEB manuscript no. S 482-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13451

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 26, no. 3, p. 106-109.

Tsvetkov, I. I. and Gurevich, L. I.
HEMATOPOIESIS AND PERIPHERAL BLOOD IN BOTKIN'S DISEASE
Zelda Knowles, tr. 5 Jan 55, 3p NIH no. 2-36-55.
Order from OTS, SLA, or ETC $1.10 TT-64-15070

Trans. of Klin[icheskaya] Med[itsina] (USSR) 1952, v. 30, no. 7, p. 91.

Vershilova, P. A. and Chernysheva, M. I.
PROTECTIVE FUNCTION OF A LOCAL INFLAMMATORY FOCUS CAUSED BY LIVE VACCINE. II. [1963] [11p] 3refs FASEB manuscript no. S 314-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13520

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 2, p. 62-66.

Vorob'ev, A. A., Vasil'ev, N. N., Shevelev, V. M., Voronova, Z. A., and Petrova, E. K.
A STUDY OF BOTULINUM TOXOIDS. REPT. 6. TYPE D BOTULINUM TOXOID (Izuchenie Botulinovykh Anatoksinov. Soobshchenie 6. Botulinovyi Anatoksin Tipa D). 13 Mar 64, 7p 6refs Trans. V-1907.
Order from OTS, SLA, or ETC $1.10 TT-64-15077

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 9, p. 87-92.

Wolski, J.
PATTERNS OF LEUKERGIC REACTIONS AFTER CRANIAL AND BRAIN TRAUMA AND AFTER BRAIN SURGERY. 1963, 7p 17refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 580-586)

Trans. from Neurologia, Neurochirurgia i Psychiatria Polska, 1963, v. 13, no. 3, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 580-586.

Wroblewska-Mularczyk, Z. and Olkowska, D.
A SEARCH OF ARBOR VIRUSES PREVIOUSLY NOT ENCOUNTERED IN POLAND. I. A SEROLOGICAL SURVEY OF THE HEALTHY POPULATION OF THE COUNTRY FOR ANTIBODIES AGAINST GROUP A AND B ARBOR VIRUSES. 1962, 8p 14refs PL-480 HEW
Order from OTS $1.50 in TT-62-11066/4 (p. 563-570)

Trans. from Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 3, pub. in Polish Medical Journal, 1962, v. 1, no. 4, p. 563-570.

Yablokova, M. L.
ON WAYS OF SPREADING EPIDEMIC HEPATITIS [O Putyakh Rasprostraneniya Epidemicheskogo Gepatita] Zelda D. Knowles, tr. 21 Jan 55, 10p NIH no. 2-29-55.
Order from OTS, SLA, or ETC $1.10 TT-64-15069

Trans. of Sovetskaya Meditsina (USSR) 1949 [v. 13] no. 4, p. 7-8.
Another trans. is available from SLA as RT-2357, 10p.

Yafaev, P. Kh.
DETECTION OF PLAGUE AND TULAREMIA INFECTION IN RODENTS (Vyyavlenie Chumnoi i Tulyaremiinoi Infektsii u Gryzunov). 16 Mar 64, 5p 4refs Trans. V-1908.
Order from OTS, SLA, or ETC $1.10 TT-64-15078

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 9, p. 93-96.

Zdzienicki, S.
STUDIES OF THE EFFECTIVENESS OF AIR DISINFECTION WITH ULTRAVIOLET LIGHT. 1962, 23p 20refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11066/4 (p. 588-610)

Trans. from Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 1-3, pub. in Polish Medical Journal, 1962, v. 1, no. 4, p. 588-610.

Zobnina, K. S.
REGULARITIES PECULIAR TO BACTERIOPHAGE CIRCULATION IN THE BODY AND TO ITS EXCRETION BY THE KIDNEYS UNDER CONDITIONS OF INFECTION AND IMMUNITY. [1963] [16p] 21refs FASEB manuscript no. S 311-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13523

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 2, p. 37-42.

Zolotokrylina, E. S. and Nosova, E. A.
THE EFFECT OF STABILIZING BLOOD BY CITRIC ACID PREPARATIONS ON THE EFFECTIVENESS OF INTRAARTERIAL TRANSFUSION IN THE TREATMENT OF TERMINAL STATES BROUGHT ABOUT BY LOSS OF BLOOD. [1963] [21p] 19refs FASEB manuscript no. S 424-3.
Order from OTS, SLA, or ETC $2.60 TT-64-13394

Trans. of #Problemy Gematologii i Perelivaniya Krovi (USSR) 1963, v. 8, no. 5, p. 41-47.

Pharmacology and Toxicology

ACTA POLONIAE PHARMACEUTICA, 1963, VOL. 20, NO. 3, P. 195-259. 1963, 1v. PL-480 HEW.
Order from OTS $0.75 TT-63-11412/3

Translated from Polish.
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COMMUNIST CHINESE SCIENTIFIC ABSTRACTS NO. 46. 9 Apr 64, 6p JPRS: 24110.
Order from OTS $0.50 TT-64-31031

Trans. of selected abstracts from Referativnyi Zhurnal Biol[ogiya] (USSR) 1963, no. 5; Referativnyi Zhurnal. Farm[akologiya] Toks[ikologiya] (USSR) 1963, no. 22.

PERMISSIBLE CONCENTRATIONS OF HARMFUL SUBSTANCES IN THE AIR OF INDUSTRIAL ESTABLISHMENTS. 21 Nov 63, 2p JPRS: 21975.
Order from OTS $0.50 in TT-63-41190 (p. 17-18)

Trans. of Gigiena i Sanitariya (USSR) 1963, v. 28, no. 9, p. 124-125.

PHARMACOLOGICAL ADVANCES. 5 Mar 64, 40p 48refs JPRS: 23523.
Order from OTS $1.25 TT-64-21721

Trans. of #Farmakologiya i Toksikologiya (USSR) 1963, v. 26, no. 6, p. 684-687, 702-707, 732-742, 753-756.

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Ackermann, M.-L. and Frey, Ernst.
THE INFLUENCE OF SAPONINS ON THE MALE SEX HORMONES. [1964] 4p 27refs
Order from SLA $1.10 TT-64-14826

Trans. of [Naunyn-Schmiedeberg's] Arch[iv für] Exp[erimentelle] Path[ologie und] Pharmakol[ogie] (Germany) 1938, v. 188, p. 593-597.

Albath, Wolfgang.
ANTI-INFLAMMATORY MATERIALS IN OIL OF CAMOMILE. [1964] 2p
Order from SLA $1.10 TT-64-14823

Trans. of [Naunyn-Schmiedeberg's] Arch[iv für] Exp[erimentelle] Path[ologie und] Pharmakol[ogie] (Germany) 1939, v. 193, p. 619-621.

Bertelli, A., Mortari, A., and Sioli, G.
CYCLOPENTHIAZIDE FACILITATION OF EXPERIMENTAL $CaCl_2$ FIBRILLATION IN RATS (Attività Facilitante della Ciclopentiazide sulla Fibrillazione Sperimentale da $CaCl_2$ nel Ratto). [Jan 64] 5p 8refs
Order from SLA $1.10 TT-64-14621

Trans. of Accad[emia] Med[ica] Lombarda. Atti (Italy) 1961, v. 16, p. 257-260.

Bisson, G. M. and Muscholl, E.
RELATION BETWEEN THE GUANETHIDINE CONCENTRATION IN THE RAT HEART AND THE NOREPINEPHRINE CONTENT (Die Beziehung Zwischen der Konzentration von Guanethidin in Rattenherzen und dem Noradrenalingehalt). Sep 62, 11p (figs omitted)
Order from SLA $1.60 TT-64-14619

Trans. of Naunyn-Schmied[eberg's] Arch[iv für] Exp[erimentelle] Path[ologie und Pharmakologie] (West Germany) 1962, v. 244 [no. 2] p. 185-195.

Borglin, N. E.
DEPRESSION OF LACTATION WITH DIURETICS. [1964] 3p 6refs
Order from SLA $1.10 TT-64-14845

Trans. of Svenska Läkartidningen, 1961, v. 58, p. 3379-3381.

Carneri, I. de.
PHARMACOLOGIC PROPERTIES OF TETRACYCLINE-AMINO ACID COMBINATIONS AND SPECIFICALLY OF TETRACYCLINE L-METHYLENELYSINE (Caratteristiche Farmacologiche delle Combinazioni della Tetraciclina con Aminoacidi e in Particolare della Tetraciclina-L Metilenlisina). [1963] 18p (figs omitted) 19refs
Order from SLA $1.60 TT-63-20874

Trans. of Giorn[ale di] Mal[attie] Inf[ettive e] Paras[itarie] (Italy) 1961, v. 13, p. 614-619.

Czimmer, Anna G.
ON THE PHARMACOLOGIC ACTION OF FLAVONOL GLUCOSIDES OF FORSYTHIA TYPE. [1964] 12p (figs omitted) 3refs
Order from SLA $1.60 TT-64-14827

Trans. of [Naunyn-Schmiedeberg's] Arch[iv für] Exp[erimentelle] Path[ologie und] Pharmakol[ogie] (Germany) 1936, v. 183, p. 587-594.

Czyzyk, A., Gorski, C. and Kwiatkowska, Z.
TESTING OF ANTERIOR PITUITARY FUNCTION BY MEANS OF METHOPYRAPON SU-4885. 1963, 5p 7refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 465-469)

Trans. from Polskie Archiwum Medycyny Wewnetrznej, 1963, v. 33, no. 3, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 465-469. (Abstract available)

Delphant, J. and Dumazert, C.
PHARMACO-DYNAMIC STUDY OF OXYPINOCAMPHONE. [1963] 5p (refs omitted)
Order from SLA $1.10 TT-64-14763

Trans. of Ann[ales] Pharm[aceutiques] Franç[aises] 1951, v. 9, p. 338-343.

Dumbadze, D. N.
PROCAINE BLOCK OF THE PREVESICAL SPACE IN THE TREATMENT OF CERTAIN DISEASES OF TRUE PELVIS ORGANS. [1963] [9p] 2refs FASEB manuscript no. S 481-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13452

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 26, no. 3, p. 104-106.

Eichholtz, F.
THE CENTRAL STIMULANTS OF THE ADRENALIN-EPHEDRINE GROUP. [1964] 7p (refs omitted)
Order from SLA $1.10 TT-64-14735

Trans. of Angew[andte] Chem[ie] (Germany) 1940, v. 53, no. 45/46, p. 520-522.

Fischer, R. and Toth, D.
CONCERNING SYNTHETIC SUBSTANCES WITH SAPONIN-LIKE ACTIVITY. [1964] 22p 9refs
Order from SLA $2.60 TT-64-14824

Trans. of [Naunyn-Schmiedeberg's] Arch[iv für] Exp[erimentelle] Path[ologie und] Pharmakol[ogie] (Germany) 1939, v. 192, p. 472-485.

Galletti, F.
LABORATORY DETERMINATIONS DURING THERAPY WITH CARBUTAMIDE AND TOLBUTAMIDE. [1963] 3p
Order from SLA $1.10 TT-64-14716

Trans. of Minerva Medica (Italy) 1958, v. 49 [no. 32] p. 1530.

Gamski, M.
CLINICAL OBSERVATIONS ON THE USE OF D 1 H ("POLFA" IPRONAL) IN THE TREATMENT OF NEUROSES. 1963, 10p 26refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 587-596)

Trans. from Polski Tygodnik Lekarski, 1963 [v. 18] no. 10, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 587-596. (Abstract available)

Heidelmann, G., Petzold, H., and Taschen, B.
INVESTIGATIONS ON THE ACTION OF NICOTINE AND ALCOHOL ON THE ACRAL ARTERIOLE FUNCTION. [1964] 20p
Order from K-H $12.00 K-H-2697-g

Trans. of Deut[sches] Arch[iv] f[ür] Klin[ische] Med[izin] (West Germany) 1952, v. 199, p. 431-442.

Heim, U. and Cavegn, B.
SUCCESSFUL TREATMENT OF SEVERE POSTOPERATIVE COMPLICATIONS WITH HYDROCHLOROTHIAZIDE (ESIDREX). [1963] 6p 5refs
Order from SLA $1.10 TT-64-14585

Trans. of Schweiz[erische] Med[izinische] W[ochen]schr[ift] 1963, v. 93, no. 20, p. 737-739. (Abstract available)

Hesse, Erich, and Taubmann, Gert.
INVESTIGATION OF GUANYLTHIOUREA AND SEVERAL OF ITS DERIVATIVES. [1964] 18p 12refs
Order from SLA $1.60 TT-64-14836

Trans. of [Naunyn-Schmiedeberg's] Arch[iv für] Exp[erimentelle] Path[ologie und] Pharmakol[ogie] (Germany) 1929, v. 146, p. 113-128.

Heubner, Wolfgang and Albath, Wolfgang.
THE ANTI-INFLAMMATORY ACTION OF PURE AZULENE FROM MATRICARIA CHAMOMILLA L. [1964] 4p 2refs
Order from SLA $1.10 TT-64-14825

Partial trans. (p. 385) of [Naunyn-Schmiedeberg's] Arch[iv für] Exp[erimentelle] Path[ologie und] Pharmakol[ogie] (Germany) 1939, v. 192, p. 383-388.

Itkin, Z. M.
ANTAGONISM BETWEEN ALIPHATIC SOPORIFICS AND NICOTINE. [1964] 27p
Order from K-H $16.20 K-H-1271-e

Trans. of Farmakol[ogiya] i Toksikol[ogiya] (USSR) 1939, v. 2, no. 5, p. 38-50.

Jeney, A. von and Czimmer, A[nna G.].
THE EFFECT OF QUERCITRIN AND QUERCETIN ON THE UNINJURED AND THE POISONED FROG HEART. [1964] 11p (figs omitted) 36refs
Order from SLA $1.60 TT-64-14828

Trans. of [Naunyn-Schmiedeberg's] Arch[iv für] Exp[erimentelle] Path[ologie und] Pharmakol[ogie] (Germany) 1936, v. 183, p. 571-586.

Loewe, S., Kaer, E., and Muischnek, H.
COMBINATION ACTIONS. VII. PRINCIPLES OF TESTING MIXTURES OF THREE DRUGS: USE OF PHENACETIN-ACETYLSALICYLIC ACID-CODEINE MIXTURES. [1964] 3p
Order from SLA $1.10 TT-64-14837

Partial trans. (excerpts and abstracts) of [Naunyn-Schmiedeberg's] Arch[iv für] Exp[erimentelle] Path[ologie und] Pharmakol[ogie] (Germany) 1927, v. 120, p. 25-40.

Luca, G. de and Lamedica, G. M.
ON THE USE OF TOLBUTAMIDE (D 860) IN THE EVALUATION OF THE DIABETIC STATE. [1963], 2p
Order from SLA $1.10 TT-64-1471[illegible]

Abstract trans. of Archivio "E. Maragliano" di Patologia e Clinica (Italy) 1960, v. 16, p. 715-730.

Mercier, F., Gavend, M., and Gavend, M.-R.
ACTION OF AN ANTISPASMODIC DERIVED FROM PYRROLE ON CORONARY CIRCULATION (Action d'un Antispasmodique Dérive du Pyrrole sur la Circulation Coronaire). [Jan 64] 4p 12refs
Order from SLA $1.10 TT-64-14616

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1963, v. 157, p. 866-868. (Abstract available)

Mildner, Th.
TOBACCO AS THERAPEUTIC AGENT IN PAST TIMES. [1962] 8p
Order from SLA $1.10 TT-64-14582

Trans. of Münchener Medizinische Wochenschrift (West Germany) 1960, v. 102, no. 14, p. 700-702.
Another trans. is available from K-H $10.00 as K-H-10401-d [1962] 8p.

Miyashita, Yukio.
THE EFFECT OF THEOPHYLLINE ON THE HYDROPS PRODUCED BY NICOTINE. [1962] [57p] 53refs
Order from SLA $5.60 TT-64-14517

Trans. of Nihon Yakurigaku Zasshi (Japan) 1957, v. 53, p. 1086-1118.
Another trans. is available from K-H $70.00 as K-H-9061-b [1962] 56p.

Morocutti, C. and Sergio, C.
THE ACTION OF SOME SYMPATHICOMIMETRIC SUBSTANCES ON NICOTINE CONVULSIONS IN THE RABBIT. [1962] 14p 10refs
Order from SLA $1.60 TT-64-14570

Trans. of Rivista di Neurologia (Italy) 1958, v. 28 [no. 2, p. 216-226].
Another trans. is available from K-H $17.50 as K-H-8650-b [1962] 14p

Moroz, A. F. and Shibaeva, I. V.
DEVELOPMENT OF BACTERIAL RESISTANCE TO THE ERYTHROMYCIN GROUP OF ANTIOBIOTICS. [1963] [15p]
FASEB manuscript no. S 560-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13433

Trans. of #Antibiotiki (USSR) 1963, v. 8, no. 4, p. 449-456.

Nekrasova, I. V.
STUDY OF THE SHIELDING ACTION OF CYSTAMINE ON EHRLICH'S ASCITIC CARCINOMA IRRADIATED IN VIVO AND IN VITRO. 29 Nov 63, 4p 8refs
JPRS: 22083.
Order from OTS $0.75 in TT-63-41258 (p. 19-22)

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 151, no. 1, p. 217-219. (Abstract available)

Neuweiler, W. and Richter, R. H. H.
ON THE INFLUENCE OF NICOTINE ON THE FERTILITY OF MALE AND FEMALE RATS. Lecture at the General Meeting of the German Society for the Study of Fertility and Sterility and the Austrian Society for the Study of Sterility and Fertility, Munich, 15-16 Oct 60. [1963] 7p 2refs
Order from SLA $1.10 TT-64-14552

Trans. of Z[eitschrift für] Geburtshilfe u[nd] Gynäkologie (West Germany) 1961, v. 157, Beilageheft, p. 5-10.

Neveling, R. and Kruse, K. E.
ON NICOTINE NYSTAGMUS. [1962] 9p 14refs
Order from SLA $1.10 TT-64-14549

Trans. of Archiv für Ohren-, Nasen- und Kehlkopf-Heilkunde (West Germany) 1961, v. 177, no. 5, p. 427-431.
Another trans. is available from K-H $11.25 as K-H-11363-d [1962] 9p.

Novelli, G., Monacelli, F., and Cattaneo, C.
THE STABILITY AND EPIMERIZATION OF TETRACYCLINE (Stabilità ed Epimerizzazione della Tetraciclina). [1963] 13p 20refs
Order from SLA $1.60 TT-63-20950

Trans. of il Farmaco; [Edizione Pratica] (Italy) 1961, v. 14, no. 4, p. 181-189.

Pepeu, G., Mannaioni, P., and Giotti, A.
THE EFFECT OF RESERPINE ON THE RESPONSE OF THE ATRIA OF THE CAVA TO NICOTINE, HISTAMINE, 5-HYDROXYTRYPTAMINE AND TO SYMPATHICOMIMETRIC. [1962] 8p (figs omitted) 11refs
Order from SLA $1.10 TT-64-14601

Trans. of Soc[ietà] Ital[iana di] Biol[ogia] Sper[imentale]. Boll[ettino] 1958, v. 34, no. 20, p. 1326-1328.

Another trans. is available from K-H $10.00 as K-H-9331-a [1962] 8p.

Pepeu, G., Mannaioni, P. F., and Giotti, A.
THE EFFECT OF RESERPINE IN VITRO ON THE NICOTINE-REACTIVE ADRENERGIC CARDIAC STRUCTURES. [Sep 60] 39p 31refs
Order from SLA $3.60 TT-64-14772

Trans. of Arch[ivio] Ital[iano di] Sci[enze] Pharmacol[ogiche] 1959 [ser. 3] v. 9, p. 479-501.
Another trans. is available from K-H $45.75 as K-H-10281-e, Sep 60, 39p.

Plamieniak, Z. and Smolik, R.
PATTERNS OF SERUM PROTEIN IN CASES OF CHRONIC LEAD INTOXICATION. 1963, 6p 12refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 479-484)

Trans. of Polski Tygodnik Lekarski, 1963 [v. 18] no. 10 [p. 358-361] pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 479-484. (Abstract available)

Pohorecka, Z. Rdzanek, I., and Weyman-Rzucidlo, D.
IN VITRO DETERMINATIONS OF GRISEOFULVIN SENSITIVITY IN VARIOUS STRAINS OF DERMATOPHYTES ISOLATED FROM PATIENTS BEFORE AND DURING TREATMENT. 1963, 3p 7refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 613-615)

Trans. from Przeglad Dermatologiczny (Poland) 1962, v. 49, no. 5, suppl., pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 613-615.

Pommer, Charlotte.
ON THE EFFECTS OF SOME AZULENS ON THE DEVELOPMENT OF IRRITATION. II. METHOD OF PHARMACOLOGICAL TESTING. [1964] [10p] 15refs
Order from SLA $1.10 TT-64-14821

Trans. of [Naunyn Schmiedeberg's] Arch[iv für] Exp[erimentelle] Path[ologie und] Pharmakol[ogie] (Germany) 1942, v. 199, p. 74-82.

Quevauviller, A, Men, J. le, and Janot, M. M.
PHARMACODYNAMIC STUDY OF THE TOTAL ALKALOIDS OF VINCA MINOR L (APOCYNACEAE). [1963] 15p (figs omitted) 15refs
Order from SLA $1.60 TT-64-14762

Trans. of Ann[laes] Pharm[aceutiques] Franç[aises] 1954, v. 12, p. 799-814.

Rauscher, H. and Rennhofer, G.
THE ESTROGENIC ACTIVITY AND CENTRAL EFFECT OF p-HYDROXYPROPIOPHENONE [Oestrogene Wirksamkeit und Zentraler Effekt von p-Oxypropiophenon]. [1963] 5p 15refs
Order from SLA $1.10 TT-64-14606

Trans. of Acta Endocr[inologica] (Denmark) 1953, v. 12 [no. 1] p. 41-46.
Another trans. is available from SLA $1.10 as TT-64-10300 [1963] [10p].

Ravicini, S.
CONTRIBUTION TO THE STUDY OF THE TOXIC AND BACTERICIDAL ACTION OF TOBACCO. [Oct 60] 29p 13refs
Available on loan TT-64-14578

Trans. of Corriere-Sanitatio (Italy) 1903, v. 14, p. 78-80.
Another trans. is available from K-H $15.00 as K-H-10324-b, Oct 60, 12p.

Regidor, Pena and Losada, Encina.
EFFECTS OF TOBACCO POWDER ON THE FEMALE GENITAL SYSTEM. [1963] 9p 3refs
Order from SLA $1.10 TT-64-14613

Trans. of Medicina y Seguridad del Trabajo (Spain) 1960, v. 8, no. 32, p. 36-42.

Romanyuk, S. L.
EFFECT OF CORTICOSTEROID HORMONES ON THE DETOXIFYING FUNCTION OF THE LIVER. [1963] [10p] 8refs FASEB manuscript no. S 495-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13472

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 3, p. 30-34.

Schaumkell, K. W.
THE MORPHOKINESIS OF THE RAT SUPRARENAL AS AFFECTED BY N-(3-DIMETHYLAMINO)-PROPYL-3-CHLOROPHENATHIAZNINE (MEGAPHEN BAYER). [1963] 6p (figs omitted) 30refs
Order from SLA $1.10 TT-64-14607

Trans. of Acta Endocr[inologica] (Denmark) 1955, v. 20, p. 371-378.

Schimert, Gustav and Schwarz, Kurt.
THE ANTIPHLOGISTIC AND RESTORATIVE ACTION OF AZULENE. [1963] 3p 14refs
Order from SLA $1.10 TT-64-14608

Condensed trans. of Ärztl[iche] Forsch[ung] (West Germany) 1954, v. 8, no. 2, p. 85-88.

Sroczynski, J.
STUDIES ON THE MECHANISM OF ANEMIA IN LEAD POISONING. 1963, 9p 20refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 470-478)

Trans. from Polskie Archiwum Medycyny Wewnetrznej, 1962, v. 32, no. 7, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 470-478.

Steindorff, A. and Pfaff, K.
THE EXTERMINATION OF FLIES. [1963] 1p
Order from SLA $1.10 TT-64-14504

Trans. from [Seifen-Öle-Fette-Wachse] (Germany) 1936 [v. 63] 24 Dec (German patent 638,400, 1930, supplement to pat. 610,409). (Abstract available)

Svechnikova, N. V., Verzhikovskaya, N. V., and Bekker, V. I.
EFFECT OF NOVOCAIN ON EXCRETION OF 17-KETOSTEROIDS IN ELDERLY PERSONS. [1963] [8p] 15refs FASEB manuscript no. S 484-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13449

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 26, no. 3, p. 114-117.

Vaisman, G. A. and Yampol'skaya, M. M.
USE OF ORGANIC EXCHANGE COMPOUNDS FOR THE QUANTITATIVE DETERMINATION OF ORGANIC ACID SALTS IN PHARMACEUTICAL ANALYSIS. [1963] 3p 15refs
Order from OTS, SLA, or ETC $1.10 TT-64-14287

Trans. of Zavodskaya Laboratoriya (USSR) 1950, v. 16 [no. 5] p. 621-622.

Radiobiology

RADIATION SICKNESS THERAPY: FOUR EXPERIMENTAL STUDIES. 13 Mar 64, 35p 23refs JPRS: 23678.
Order from OTS $1.00 TT-64-21791

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 12, p. 31-37, 43-47, 50-59.

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RADIOBIOLOGY, 1962, VOL. 2, NO. 5, May 63, 224p
Order from OTS $3.00 AEC-tr-5432

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 641-798.

Separate entries have been prepared for the individual articles.

RADIOBIOLOGY, 1963, VOL. 3, NO. 2. Jan 64, 271p
Order from OTS $3.50 AEC-tr-5435

Trans. of Radiobiologiya (USSR) 1963, v. 3, no. 2, p. 153-325.

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SOVIET RESEARCH ON RADIATION EFFECTS. 29 Nov 63, 22p 45refs JPRS: 22083.
Order from OTS $0.75 TT-63-41258

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 151, no. 1, p. 203-205, 209-219.

Separate entries have been prepared for the individual articles.

STUDIES ON RADIATION SICKNESS. 9 Mar 64, 29p 33refs JPRS: 23566; N64-16296.
Order from OTS $1.00 TT-64-21735

Trans. of Meditsinskaya Radiologiya (USSR) 1964, v. 9, no. 1, p. 20-24, 49-52, 57-60, 82-87.

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Akoev, I. G.
EFFECT OF THYROIDIN UPON ERYTHOPOIESIS IN IRRADIATED ANIMALS. May 63, 6p 14refs
Order from OTS $3.00 in AEC-tr-5432 (p. 87-92)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 700-704.

Andreev, S. V., Martens, V. K., Molchanova, V. A., and Stepanov, A. S.
INVESTIGATION OF THE EFFECT OF THE IRRADIATION DOSE UPON MORTALITY AND SEXUAL STERILIZATION OF THE GRANARY WEEVIL (CALANDRA GRANARIA L.). May 63, 7p 14refs
Order from OTS $3.00 in AEC-tr-5432 (p. 170-176)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 758-762. (Abstract available)

Barsukov, V. S., Malinovskii, O. V., and Mityushova, N. M.
DYNAMICS OF POSTRADIATION RESTORATION OF YEAST CELLS IN RELATION TO THE DOSAGE OF GAMMA RADIATION. 29 Nov 63, 6p 11refs
JPRS: 22083
Order from OTS $0.75 in TT-63-41258 (p. 6-11)

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 151, no. 1, p. 209-212. (Abstract available)

Bogatov, L. V.
PHAGOCYTIC REACTION OF LEUKOCYTES IN DOGS 5-7 YEARS AFTER CHRONIC EXTERNAL GAMMA IRRADIATION. May 63, 3p 2refs
Order from OTS $3.00 in AEC-tr-5432 (p. 106-108)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 713-714. (Abstract available)

Delitsyna, N. S.
SOME CHANGES IN THE INTEROCEPTIVE ANALYSOR SYSTEM AFTER EXPERIMENTAL X-RAY IRRADIATION OF THE HEAD. May 63, 9p 21refs
Order from OTS $3.00 in AEC-tr-5432 (p. 125-133)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 726-731.

Duzhenkova, N. A., Parfenov, Yu. D., Savich, A. V., and Yartsev, E. I.
RADIATION-INDUCED CHEMICAL CHANGES IN AQUEOUS SOLUTIONS OF TRYPTOPHAN. May 63, 8p 8refs
Order from OTS $3.00 in AEC-tr-5432 (p. 30-37)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 662-666. (Abstract available)

Gal'tsova, R. D. and Novichkova, A. T.
EFFECT OF IONIZING RADIATIONS UPON NITROGEN METABOLISM IN YEAST CELLS. May 63, 8p 12refs
Order from OTS $3.00 in AEC-tr-5432 (p. 71-78)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 690-694.

Godin, V. P.
CHANGES IN REACTIONS OF THE NERVOUS SYSTEM OF ANIMALS EXPOSED TO MULTIPLE INTERNAL IRRADIATION UNDER CONDITIONS OF HYPOTHERMIA. May 63, 12p 10refs
Order from OTS $3.00 in AEC-tr-5432 (p. 146-157)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 741-748. (Abstract available)

Kalashnikova, M. M.
REPARATIVE REGENERATION OF RAT LIVER AFTER LOCAL X-IRRADIATION. 29 Nov 63, 7p 15refs JPRS: 22083.
Order from OTS $0.75 in TT-63-41258 (p. 12-18)

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 151, no. 1, p. 213-216. (Abstract available)

Kalistratova, V. S.
THE EFFECT OF INFLAMMATION OF SUBCUTANEOUS CELL TISSUE AND SENSITIZATION ON Sr^{90} DISTRIBUTION IN THE ORGANISM. [1963] [8p] FASEB manuscript no. S 143-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13496

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 12, p. 56-58.

Khvostova, V. V., Turkov, V. D., Voronkova, L. I., and Nevzgodina, L. V.
GAMMA-RAY AND ETHYLENEIMINE INDUCED MUTATIONS IN TOMATOES. May 63, 11p 5refs
Order from OTS $3.00 in AEC-tr-5432 (p. 214-224)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 790-798.

Kuzin, A. M. and Kopylov, V. A.
FORMATION AND ROLE OF QUINONES IN INITIAL PROCESSES OF RADIATION DAMAGE OF ANIMAL TISSUES. May 63, 6p 13refs
Order from OTS $3.00 in AEC-tr-5432 (p. 58-63)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 681-684. (Abstract available)

Lagun, M. A. and Rezontov, V. A.
INFLUENCE OF THYROIDIN UPON RESTORATION OF REACTIVITY OF THE ORGANISM AFTER ACUTE RADIATION SICKNESS. May 63, 6p 16refs
Order from OTS $3.00 in AEC-tr-5432 (p. 109-114)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 715-718.

Lassota, Zofia.
THE ACTION OF γ-RAYS ON EGGS, LARVAE AND PUPAE OF BOMBYX MORI. 1963, 8p 7refs PL-480 HEW.
Order from OTS $1.25 in TT-63-11406-4 (p. 379-386)

Trans. from Acta Biochimica Polonia, 1963, v. 10, no. 4. (Abstract available)

Lebedeva, G. A.
CERTAIN PECULIARITIES OF THE REGENERATORY PROCESS IN THE GASTROINTESTINAL TRACT DURING CHRONIC RADIATION SICKNESS INDUCED BY POLONIUM AND RADIOACTIVE STRONTIUM. May 63, 8p 17refs
Order from OTS $3.00 in AEC-tr-5432 (p. 98-105)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 709-712. (Abstract available)

Leshchinskii, L. A., Trusov, V. V., and Lavrent'ev, E. V.
FLUORESCENCE MICROSCOPY AS A METHOD FOR DETECTING EARLY CHANGES IN THE PERIPHERAL BLOOD AFTER THE ACTION OF LOW DOSES OF IONIZING RADIATION USED IN CLINICAL PRACTICE (Vyyalenie Rannikh Izmenenii v Perifericheskoi Krovi pri Vosdeistvii Ioniziruyushchei Radiatsii s Pomoshch'yu Fluorestesentno-Mikroskopicheskogo Issledovaniya). [1963] [9p] 10refs FASEB manuscript no. S 57-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13490

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 10, p. 32-35.

Makhonina, G. I., Yushkov, P. I., Volkova, M. Ya., and Timofeev-Resovskii, N. V.
DISTRIBUTION OF SR-90 AND RU-106 IN THE BASIC ORGANS OF THE PINE TREE. 18 Dec 63, 4p 4refs JPRS: 22340 (p. 8-11).
Order from OTS $0.50 in TT-64-21051 (p. 8-11)

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 151, no. 6, p. 1456-1457. (Abstract available)

Mosin, A. F.
MECHANISM OF THE RADIOPROTECTIVE ACTION OF PYRIDOXINE AND ITS SULFUR-SUBSTITUTED DERIVATIVE 5-ISOTHIURONIUM PYRIDOXINE. May 63, 7p 26refs
Order from OTS $3.00 in AEC-tr-5432 (p. 177-183)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 763-767. (Abstract available)

Panasewicz, J. and Gloskowska, Z.
EXPERIMENTAL TREATMENT OF RADIATION DISEASE WITH INJECTION OF PLASMA AND TRANSPLANTATION OF BONE MARROW OF ANIMALS CONVALESCENT OF THAT DISEASE. 1963, 6p 25refs PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 513-518)

Trans. from Polskie Archiwum Medycyny Wewnetrznej, 1962, v. 32, no. 7, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 513-518. (Abstract available)

Parkhomenko, G. M.
OCCUPATIONAL HYGIENE IN WORK WITH POLONIUM EXTRACTS. 3 Mar 64, 19p 69refs JPRS: 23499.
Order from OTS $0.75 TT-64-21705

Trans. of mono. Gigiena Truda pri Rabote s Poloniem, Moscow, 1963, p. 16-22, 34-39, 45-52.

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Petrov, V. S.
ELECTROPHYSIOLOGICAL AND ELECTRON MICROSCOPIC INVESTIGATION OF SOME PECULIARITIES OF X-RAY INDUCED EARLY DAMAGE OF NERVE TISSUE. May 63, 12p 38refs
Order from OTS $3.00 in AEC-tr-5432 (p. 134-145)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 732-740.

Plokhoi, V. I.
OXYGEN EFFECT DURING GAMMA IRRADIATION OF ESCHERICHIA COLI CULTURE. May 63, 10p 15refs
Order from OTS $3.00 in AEC-tr-5432 (p. 38-47)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 667-673. (Abstract available)

Polikarpov, G. G. and Ivanov, V. N.
THE ACTION OF Sr^{90} -- Y^{90} ON DEVELOPING EGGS OF THE EUROPEAN ANCHOVY
D. G. Nichols, tr. and J. W. Hedgpeth, tr. ed. [1963] 16p 23refs
Order from OTS, SLA, or ETC $1.60 TT-64-14302

Trans. of Voprosy Ikhtiologii (USSR) 1961, no. 3(20) p. 583-589. (Abstract available)

Polyak, A. I.
CHANGES IN IMMUNOLOGICAL REACTIVITY AND MORPHOLOGICAL CONSTRUCTION OF LYMPHOID TISSUE AT VARIOUS STAGES IN RADIATION INJURY. [1963] [12p] 24refs FASEB manuscript no. S 60-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13491

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 7, no. 10, p. 51-55.

Pomerantseva, M. D. and Ramaiya, L. K.
GENETIC CONSEQUENCES OF THE ACTION OF FAST NEUTRONS ON MOUSE SPERM. 29 Nov 63, 5p 11refs JPRS: 22083.
Order from OTS $0.75 in TT-63-41258 (p. 1-5)

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 151, no. 1, p. 203-205. (Abstract available)

Razumovskii, N. O., Torchinskaya, O. L., Balabukha, V. S., and Ushakova, V. F.
THE PROBLEM OF RATIONAL APPLICATION OF COMPLEXONES TO ACCELERATE ELIMINATION OF RADIOACTIVE ISOTOPES (Ce^{144}). May 63, 8p 11refs
Order from OTS $3.00 in AEC-tr-5432 (p. 192-199)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 773-779.

Semina, N. A. and Gusarov, I. I.
RADON HYDROTHERAPY AT PYATIGORSK HEALTH RESORT IN THE GENERAL COMPLEX OF TREATMENT PROCEDURES FOR CHILDREN RECOVERING FROM ACUTE POLIOMYELITIS (CLINICAL AND ELECTROMYOGRAPHIC DATA) [AND] SAFETY PRECAUTIONS IN THE PREPARATION AND ADMINISTRATION OF ARTIFICIAL RADON HYDROTHERAPY.
6 Apr 64, 21p 17refs JPRS: 24026.
Order from OTS $0.75 TT-64-21979

Trans. of Voprosy Kurortologii, Fizioterapii i Lechebnoi Fizicheskoi Kul'tury (USSR) 1964, v. 29, no. 1, p. 19-23, 64-70.

Shal'nov, M. I.
RADIOLYSIS OF OROTIC ACID. May 63, 12p 21refs
Order from OTS $3.00 in AEC-tr-5432 (p. 18-29)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 654-661. (Abstract available)

Shapiro, I. M. and Faleeva, Z. N.
INFLUENCE OF RADIATION-INDUCED CHROMOSOME ABERRATIONS UPON VIABILITY OF TUMOR CELLS. May 63, 12p 14refs
Order from OTS $3.00 in AEC-tr-5432 (p. 158-169)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 749-757.

Sidorov, B. N.
ON THE PRIMARY MECHANISM OF THE GENETIC ACTION OF RADIATIONS. May 63, 8p 28refs
Order from OTS $3.00 in AEC-tr-5432 (p. 1-8)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 641-646.

Sivachenko, T. P. and Slavnov, V. N.
THE FUNCTIONAL STATE OF THE THYROID GLAND IN THYROTOXICOSIS PATIENTS AT DIFFERENT PERIODS AFTER RADIOIODINE THERAPY (Funktsional'noe Sostoyanie Shchitovidnoi Zhelezy u Bol'nykh Tireotoksikozom v Razlichnye Sroki Posle Lecheniya Radioaktivnom Iodom). [1963] [11p] 18refs FASEB manuscript no. S526-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13436

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 2, p. 5-10.

Smirnova, I. B.
EFFECTS OF AMINOETHYLISOTHIURONIUM-Br-HBr UPON RADIATION DAMAGE OF MUCOSA OF THE SMALL INTESTINE. May 63, 8p 15refs
Order from OTS $3.00 in AEC-tr-5432 (p. 184-191)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 768-772.

Stashkov, A. M. and Korotkova, V. P.
EEG RECORDING OF FUNCTIONAL DISORDERS IN THE CENTRAL NERVOUS SYSTEM INDUCED BY IRRADIATION AND SYMPATHECTOMY. May 63, 10p 15refs
Order from OTS $3.00 in AEC-tr-5432 (p. 115-124)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 719-725.

Strel'tsova, V. N.
CERTAIN RESULTS OF A STUDY OF THE TUMOROUS EFFECT OF RADIOISOTOPES. [1963] [15p] 6refs FASEB manuscript no. S 407-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13476

Trans. of #Voprosy Onkologii (USSR) 1963, v. 9, no. 3, p. 32-39.

Strzhizhovskii, A. D.
ON THE KINETICS OF RADIATION DAMAGE OF CELL POPULATIONS. May 63, 9p 14refs
Order from OTS $3.00 in AEC-tr-5432 (p. 9-17)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 647-653.

Tsessarskaya, T. P.
MECHANISM OF PRODUCTION OF LEUKEMIA BY RADIATION (A SURVEY OF THE LITERATURE). [1963] [21p] 92refs
FASEB manuscript no. S 383-3.
Order from OTS, SLA, or ETC $2.60 TT-64-13402

Trans. of #Problemy Gematologii i Perelivaniya Krovi (USSR) 1963, v. 8, no. 3, p. 26-32.

Tseveleva, I. A.
EFFECT OF IRRADIATION UPON NUCLEOTIDE METABOLISM IN RABBIT LIVER. May 63, 10p 22refs
Order from OTS $3.00 in AEC-tr-5432 (p. 48-57)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 674-680.

Val'dshtein, E. A.
RADIOPROTECTIVE ACTION OF CYSTEAMINE UPON IRRADIATION OF ESCHERICHIA COLI IN THE PRESENCE OF RADIOSENSITIZERS (ATMOSPHERIC OXYGEN AND NITRIC OXIDE). May 63, 7p 18refs
Order from OTS $3.00 in AEC-tr-5432 (p. 207-213)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 785-789.

Vinogradova, M. F.
EFFECT OF WHOLE-BODY X-IRRADIATION UPON TURNOVER RATE OF LIPIDS IN THE RAT BRAIN. May 63, 8p 12refs
Order from OTS $3.00 in AEC-tr-5432 (p. 79-86)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 695-699.

Vissarionova, V. Ya. and Chertkov, I. L.
THERAPEUTIC EFFECT OF PURIFIED PROPERDIN IN MICE WITH ACUTE RADIATION SICKNESS. [1963] [7p] 12refs FASEB manuscript no. S 281-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13529

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 1, p. 62-64.
Another trans. is available from OTS $1.25 in TT-63-21676, JPRS-18904, 25 Apr 63, 37p.

Yusinov, V. S.
THE ROLE OF ASCORBIC ACID IN RADIATION SICKNESS. 11 Feb 64 [10p] 27refs FTD-TT-63-1102.
Order from OTS, SLA, or ETC $1.10 TT-64-15087

Unedited rough draft trans. of Meditsinskaya Radiologiya (USSR) 1959, v. 4, no. 9, p. 79-81.
Another trans. is available from OTS or SLA $6.60 in TT-60-11669, JPRS-2706, 24 Jun 60, 66p.

Zamyatkina, O. G.
BIOSYNTHESIS OF SERUM ALBUMIN IN RATS DURING RADIATION SICKNESS. May 63, 6p 34refs
Order from OTS $3.00 in AEC-tr-5432 (p. 64-70)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 685-689. (Abstract available)

Zherebchenko, P. G.
DISTRIBUTION IN RAT ORGANS OF INDOLYL-ALKYLAMINES POSSESSING DIFFERENT RADIO-PROTECTIVE PROPERTIES. May 63, 7p 5refs
Order from OTS $3.00 in AEC-tr-5432 (p. 200-206)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 780-784. (Abstract available)

Zotova, M. G.
EFFECTS OF UNITHIOL UPON RESORPTION RATE OF POLONIUM SUBCUTANEOUSLY INJECTED INTO ANIMALS. May 63, 5p
Order from OTS $3.00 in AEC-tr-5432 (p. 93-97)

Trans. of Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 705-708.

Surgery

Gedliczka, O.
POSTHEMORRHAGIC ALTERATIONS OF RIGHT ATRIAL BLOOD PRESSURE. 1963, 11p 40refs
PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 536-546)

Trans. from Polski Przeglad Chirurgiczny, 1962, v. 34, no. 10, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 536-546. (Abstract available)

Herzberg, Benedikt.
THE PRACTICAL RESULT OF SUPRARENAL EXTIRPATION IN THE SO-CALLED SPONTANEOUS GANGRENE, ACCORDING TO THE DATA FROM 110 CASES OF RUSSIAN SURGEONS. [1964] 44p
Order from K-H $26.40 K-H-1335-a

Trans. of [Langenbecks Archiv für Klinische Chirurgie, Vereinigt mit Deutsche Zeitschrift für Chirurgie] (Germany) 1926, v. 143, p. 125-146.

Konstantinov, V. A. and Shustin, V. A.
A SURGICAL METHOD TO MUTE THE BARKING OF DOGS (Khirurgicheskaya Metodika Sozdaniya Bezzvuchnogo Laya Sobak). [1963] 3p
Order from OTS, SLA, or ETC $1.10 TT-64-14615

Trans. of Eksp[erimental'naya] Khir[urgiya i] Anest[eziologiya] (USSR) 1963, v. 8 [no. 4], p. 54-55].

Krwawicz, T.
EXPERIMENTAL OPERATIONS OF PARTIAL LAMELLAR EXCISON OF CORNEAL STROMA FOR CORRECTION OF MYOPIA. 1963, 6p 21refs
PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 574-579)

Trans. from Klinika Oczna (Poland) 1963, v. 33, no. 1, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 574-579.

Pietraszkiewicz, E. and Szczerban, J.
EXPERIMENTAL INVESTIGATIONS ON HOMOGRAFTS OF THE INFERIOR VENA CAVA. 1963, 7p 20refs
PL-480 HEW.
Order from OTS $1.50 in TT-63-11409/4 (p. 529-535)

Trans. from Polski Przeglad Chirurgiczny, 1962, v. 34, no. 9, pub. in Polish Medical Journal, 1963, v. 2, no. 4, p. 529-535. (Abstract available)

Tsukerman, M. S., Veksler, Ya. L., Sizyakin, P. S., and Sheingerts, A. R.
IMMUNOTHERAPY AND DERMATOPLASTY IN THE TREATMENT OF COMBINED BURNS. [1963] [18p] 5refs FASEB manuscript no. S 340-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13416

Trans. of Patologicheskaya Fiziologiya i Eksperimental'naya Terapiya (USSR) 1963, v. 7, no. 1, p. 19-23.
Another trans. is available from OTS $1.00 in TT-63-21831, JPRS-19220, 16 May 63, 32p.

Zoology

ABSTRACTS ON ZOOPARASITOLOGY (REFERATIVNYI ZHURNAL: BIOLOGIYA) 1963, NO. 7. 7 Apr 64, 33p JPRS: 24061.
Order from OTS $1.00 TT-64-31003

Trans. (in full or bibliographic headings only) of Referativnyi Zhurnal. Biologiya (USSR) 1963, no. 7, sect. K, p. 1-16.

ABSTRACTS ON ZOOPARASITOLOGY (REFERATIVNYI ZHURNAL: BIOLOGIYA) 1963, NO. 8. 7 Apr 64, 57p JPRS: 24063.
Order from OTS $1.50 TT-64-31004

Trans. (in full or bibliographic headings only) of Referativnyi Zhurnal. Biologiya (USSR) 1963, no. 8, sect. K, p. 1-20.

HERRING: SELECTED ARTICLES. 1963, 44p 37refs
PL-480 Int.
Order from OTS $0.50 TT-63-11108

Trans. of selected articles from 4 Russian publications.

Separate entries have been prepared for the individual articles.

Andryashev, A. P.
FISHES OF THE NORTHERN SEAS OF THE USSR (Ryby Severnykh Morei SSSR)
Michael Artman, tr. 1964, 617p PL-480 Smi.
Order from OTS $6.25 TT-63-11160

Trans. of [Opredeliteli po Faune SSSR] 1954, v. 53 [567p].

Azhazha, V. G.
MODERN METHODS OF LOCATING HERRING WITH HYDROACOUSTIC AIDS IN THE NORTH ATLANTIC IN FALL AND WINTER (Sovremennaya Metodika Poiska Sel'di Gidroakusticheskimi Priborami v Osenne-zimnii Period v Severnoi Atlantike). 1963, 11p
PL-480 Int.
Order from OTS $0.50 in TT-63-11108 (p. 21-31)

Trans. of Akademiya Nauk SSSR. Ikhtiologicheskaya Komissiya. Trudy Soveshchanii, 1960, no. 10, p. 219-229.

Disler, N. N.
DEVELOPMENT OF THE SENSE ORGANS OF THE LATERAL LINE SYSTEM OF THE PERCY AND RUFF
A. R. Gosline and W. A. Gosline, trs. [1963] [67p] 35refs
Order from OTS, SLA, or ETC $6.60 TT-64-15126

Trans. of [Akademiya Nauk SSSR]. Institut Morfologii Zhivotnykh. Trudy, 1950, v. 2, p. 85-139.

Fedorov, S. S.
DISTRIBUTION AND MIGRATION OF YOUNGER AND MEDIUM AGE GROUPS OF THE ATLANTIC-SCANDINAVIAN HERRING (Raspredelenie i Migratsii Atlanticheskо-Skandinavskikh Sel'di Mladshikh i Srednikh Vozrastnykh Grupp). 1963, 7p 7refs
PL-480 Int.
Order from OTS $0.50 in TT-63-11108 (p. 32-38)

Trans. of Akademiya Nauk SSSR. Ikhtiologicheskaya Komissiya. Trudy Soveshchanii, 1960, no. 10, p. 66-72.

Filippova, N. A.
DIAGNOSIS OF CERTAIN SPECIES OF IXODID TICKS OF THE GENUS IXODES LATR. (SUBGENUS IXODES, S. STR.) ACCORDING TO LARVAE AND NYMPHS [K Diagnostike Nekotorykh Vidov Iksodovykh Kleshchei Roda Ixodes Latr. (Podrod Ixodes s Str.) po Lichinkam i Nimfam]
Zelda D. Knowles, tr. 18 Feb 55, 14p (figs omitted) 5refs NIH no. 3-34-55.
Order from OTS, SLA, or ETC $1.60 TT-64-15063

Trans. of Zoologicheskii Zhurnal (USSR) 1954, v. 33, no. 1, p. 69-76.
Another trans. is available from SLA as RT-2573, 17p.

Gerasimov, Yu. A.
AERIAL COUNTING OF MOOSE IN THE MOSCOW OBLAST AND VERIFICATION OF THE RESULTS BY THE METHODS OF MATHEMATICAL STATISTICS. 14 Feb 64, 7p JPRS: 23244 (p. 48-54).
Order from OTS $1.50 in TT-64-21569 (p. 48-54)

Trans. of Primenenie Matematicheskikh Metodov v Biologii (USSR) 1963, v. 2, p. 234-238.

Golovachev, V. S. and Voevodin, V. A.
EFFECT OF LIGHT CONDITIONS ON VERTICAL MIGRATIONS OF HERRING (O Vliyanii Osveshchennosti na Vertikal'nye Peremeshcheniya Sel'di). 1963, 2p PL-480 Int.
Order from OTS $0.50 in TT-63-11108 (p. 39-40)

Trans. from Baltiiskii Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanografii. Trudy (USSR) 1960, v. 6, p. 124.

Lutta, A. S. and Kheisin, E. M.
CERTAIN DATA OF THE RELATIVE ROLE OF DIFFERENT SPECIES OF IXODID TICKS IN SPREADING BABESIASIS IN THE NORTH [Nekotorye Dannye Otnositel'no Roli Razlichnykh Vidov Iksodovykh Kleshchei v Rasprostranenii Babezielloza na Severe]
Zelda Knowles, tr. 18 Feb 55, 10p 4refs
NIH no. 3-36-55.
Order from OTS, SLA, or ETC $1.10 TT-64-15064

Trans. of Zoologicheskii Zhurnal (USSR) 1954, v. 33, no. 1, p. 65-68.
Another trans. is available from SLA as RT-2490, 10p.

Makushok, M. E.
THE RANGE OF THE MURMAN HERRING AND THE CENTER OF THAT RANGE. (K Voprosu ob Areale Obitaniya Murmanskoi Sel'di i o Tsentre Etogo Areale). 1963, 8p 8refs PL-480 Int.
Order from OTS $0.50 in TT-63-11108 (p. 1-8)

Condensed trans. of Gosudarstvennyi Okeanograficheskii Institut. Trudy (USSR) 1932, v. 1, no. 4, p. 3-66.

Pavlovskii, E. N.
MALFORMATIONS AND ABNORMALITIES OF TICKS OF THE SUPERFAMILY IXODOIDEA (Urodstva i Nenormal'nosti u Kleshchei Nadsemeistva Ixodoidea)
B. Ribush, tr. [1963] [68p] (foreign text included) 20refs [CSIRO] Trans. no. 6362.
Order from OTS, SLA, or ETC $6.60 TT-64-15101

Trans. of Parazitologicheskii Sbornik (USSR) 1940, v. 7, p. 7-44.

Rass, T. S.
GEOGRAPHICAL DISTRIBUTION OF BATHYPELAGIC FISHES OF THE FAMILY MYCTOPHIDAE IN THE PACIFIC OCEAN. E. Roden, tr. [1963] [10p] 25refs
Order from OTS, SLA, or ETC $1.10 TT-64-15125

Trans. of Akad[emiya] Nauk SSSR. Institut Okeanologii Trudy, 1960, v. 41, p. 146-152.

Ryzhenko, M. I.
BIOLOGICAL PREREQUISITES AND TECHNIQUES OF FISHING FOR HERRING WITH MIDWATER TRAWLS IN THE NORTH ATLANTIC (Biologicheskie Predposylki i Tekhnika Lova Sel'di Raznoglubinnym Tralom). 1963, 4p PL-480 Int.
Order from OTS $0.50 in TT-63-11108 (p. 41-44)

Summary trans. of Akademiya Nauk SSSR. Ikhtiologicheskaya Komissiya. Trudy Soveshchanii, 1960, no. 10, p. 239-242.

Skryabin, K. I., ed.
TREMATODES OF ANIMALS AND MAN: ESSENTIALS OF TREMATODOLOGY, VOL. 17
A. Birron and Z. S. Cole, trs. 1964, 444p PL-480 Int.
Order from OTS $4.50 TT-63-11128

Trans. of mono. Trematody Zhivotnykh i Cheloveka: Osnovy Trematodologii, v. 17, Moscow, 1960 [643p].

Svetovidov, A. N.
SIMILARITIES AND DIFFERENCE IN THE DISTRIBUTION, ECOLOGY, AND SOME OTHER CHARACTERISTICS OF COD AND OCEANIC HERRING (O Chetakh Skhodstva i Razlichiya v Rasprostranenii, Ekologii i Nekotorykh Drughikh Osobennostyakh Mezhdu Treskoi i Okeanicheskoi Sel'd'yu). 1963, 12p 22refs PL-480 Int.
Order from OTS $0.50 in TT-63-11108 (p. 9-20)

Trans. from mono. Ocherki po Obshchim Voprosam Ikhtiologii (Notes on Special Problems in Ichthyology) Moscow, 1953, p. 122-133.

Zonov, A. I. and Gulin, V. V.
STATISTICAL REGULARITY IN THE BEHAVIOR OF FISH. 14 Feb 64, 8p JPRS: 23244 (p. 28-35).
Order from OTS $1.50 in TT-64-21569 (p. 28-35)

Trans. of Primenenie Matematicheskikh Metodov v Biologii (USSR) 1963, v. 2, p. 140-145.

CHEMISTRY

BULLETIN OF THE CHEMICAL SOCIETY, 1962, VOL. 27, NO. 9/10. Abstracts of Papers from Meeting (no. 10) of the Chemists of PR Serbia and Annual Convention of the Serbian Chemical Society, Belgrad Univ., 28-30 Jan 63
Aleksandra Stojiljkovic, tr. 1963, 80p PL-480 Comm.
Order from OTS $0.75 TT-62-11757/9-10

Trans. of Srpsko Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 9/10.

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EAST EUROPEAN SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 20. 6 Apr 64, 12p JPRS: 24053.
Order from OTS $0.50 TT-64-21997

Consists of abstracts of articles from selected scientific and technical journals of Bulgaria and East Germany.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 21. 7 Apr 64, 5p JPRS: 24077.
Order from OTS $0.50 TT-64-31012

Abstract trans. of Chemicke Zvesti (Czechoslovakia) 1964, v. 18, no. 2, p. 81-107, 109-147.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 22. 8 Apr 64, 6p JPRS: 24096.
Order from OTS $0.50 TT-64-31023

Consists of abstracts of articles from the scientific and technical journals of Bulgaria and Hungary.

EMULSIFYING AGENT FOR THE PRODUCTION OF AN OIL SPRAY TO COMBAT INSECTS (Emulgiermittel fur die Herstellung von Olspritzsmitteln zur Schadlingshekampfung). [1964] 1p
Order from SLA $1.10 TT-64-14865

Trans. of [Seifen-Öle-Fette-Wachse] (Germany) 1937, v. 64, 2 Jun, p. 404 (German patent 642,533, kl. 451, gr. 3, by I. G. Farbenindustrie A.G.).

PERFUMES AND PERFUME MIXTURES. [1963] 3p
Order from SLA $1.10 TT-64-14096

Trans. of [Seifen-Öle-Fette Wachse] (Germany) 1935 [v. 62] p. 473 (German patent 613,308, 1933).

REMOVAL OF INJURIOUS INSECTS FROM TEXTILES AND FURS. [1964] 2p
Order from SLA $1.10 TT-64-14860

Trans. of [Seifen-Öle-Fette-Wachse] (Germany) 1937 [v. 64] 3 Mar, p. 168 (German patent 641,086, 1935).

USSR SCIENTIFIC ABSTRACTS: CHEMISTRY AND METALLURGY NO. 9. 8 Apr 64, 122p JPRS: 24098.
Order from OTS $2.75 TT-64-31024

Consists of abstracts of articles from USSR scientific and technical journals.

Acker, A. and Choisnet, B.
HYDROGENATION IN THE MANUFACTURE OF BRIGHT STOCK. [1963] [24p] refs
Order from SLA $2.60 TT-64-14746

Trans. of article from an unidentified French source, n.p., 1959

Felheim, Emanuel and Arndt, Fritz.
PRODUCTION OF A STABLE DERRIS ROOT EXTRACT EMULSIFIABLE WITH WATER (Herstellung Haltbarer mit Wasser Emulgierbar Auszuge). [1964] 2p
Order from SLA $1.10 TT-64-14871

Trans. of [Seifen-Öle-Fette-Wachse] (Germany) 1937, v. 64, 23 Jun, p. 458 (German patent 643,062, cl. 45L., gr. 3, 1934, granted to Chemische Fabrik Marienfelde G. m. b. H.).

Isemura, J. and Nakamura, S.
HYDROGEN PEROXIDE STABILIZERS. [1963] [4p] 2refs
Order from SLA $1.10 TT-64-14712

Trans. of Kagaku (Japan) 1949, v. 19, p. 379-380.

Kato, Kunio and Shibayama, Yasuko.
PRODUCTS OF THERMAL DECOMPOSITION OF VANILLIN AND THEIR TRANSFER TO CIGARETTE SMOKE. [1964] 21p
Order from K-H $12.60 K-H-12616

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenkyu Hokoku] (Japan) 1962, v. 104, p. 115-121.

Kuwata, T. amd Nakajima, T.
MÉTHODE DE SÉPARATION DE L'ACIDE SULFONIQUE ET L'HUILE A PARTIR D'UNE BOUE DE L'ACIDE SULFURIQUE (Separation of Sulfonic Acid and Oil from Sulfonated Sludge). 7p. CNRS-VIII bis 179.
Order from OTS, ETC or CNRS $1.10 TT-62-26677

Trans. in French of Japanese patent application 181 218, by S.A. Japonaise du Pétrole, Tokyo, pub. 20 Dec 49.

Miyahara, Shozo, Shimizu, Hiroshi, Nasu, Osamu, and Oikawa, Shozo.
METHOD OF REFINING BEET SUGAR LIQUOR BY MEANS OF ION-EXCHANGE RESIN. Mar 64, 24p
Order from SA $19.00 SA Code-P-272

Trans. in manuscript of published Japanese patent 18418/1960, cl. 32-A-22, appl. 18370/1957, 25 Jul 57, pub. 20 Dec 60, by Japan Organo Co., Ltd.

Nikolina, V. Ya., Neimark, I. E., and Piontkovskaya, M. A.
THE MOLECULAR SIEVES (PRODUCTION, PROPERTIES, APPLICATIONS). [1964] 34p 117refs
Order from OTS, SLA, or ETC $3.60 TT-64-14959

Trans. of #Uspekhi Khim[ii] (USSR) 1960, v. 29, no. 9, p. 1088-1111.

Niwa, Tan, Kikuchi, Yashiaki, Yamaguchi, Mitsuo, and Onishi, Masaru.
METHOD OF SEPARATING COBALT IN OXO-COMPOUND. Feb 64, 11p
Order from SA $16.00 SA Code-P-262

Trans. of published Japanese patent 18166/1962, cl. 16-B-51 (16-B-013) appl. 21114/1959, 27 Jun 59, pub. 20 Nov 62, by Mitsubishi Chemical and Synthetic Industry Co., Ltd. (Abstract available)

Oth, Andre.
MEASUREMENT OF THE POLYDISPERSITY OF NITROCELLULOSE BY TURBIDOMETRIC TITRATION. [1963] 13p (figs refs omitted)
Order from SLA $1.60 TT-63-20931

Trans. of Soc[iété] Chim[ique de] Belg[ique]. Bull[etin] 1949, v. 58, p. 285-300.

Pfaff, Kasper and Erlenbach, Michael.
PROCESS FOR EXTERMINATION OF FLIES. [1963] 1p
Order from SLA $1.10 TT-64-14090

Trans. of [Seifen-Öle-Fette-Wachse] (Germany) 1935 [v. 62] p. 272 (German patent 610 409, 1929).

Pietzsch, A.
A FURTHER CONTRIBUTION TO THE SUBJECT OF RETENTION OF SMOKE COMPONENTS IN CIGARETTE SMOKING. [1962] 16p (figs omitted) 3refs
Order from SLA $1.60 TT-64-14548

Trans. of die Pharmazie (East Germany) 1962, v. 17, no. 1, p. 36-41.
Another trans. is available from K-H $20.00 as K-H-12057-b [1962] 16p.

Reikhsfel'd, V. O. and Ivanova, A. G.
SYNTHESIS OF LINEAR DIMETHYLMETHYLPOLYSILOXANES BY THE METHOD OF COPOLYMERIZATION OF CYCLOSILOXANES. [1963] 10p 14refs
Order from OTS, SLA, or ETC $1.10 TT-64-13664

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1962, v. 4, no. 1. p. 30-36. (Abstract available)

Shcheglov, N.I., Sokol'skii, D.V. and Ishchenko, A.A.
ACTIVATION DU CATALYSEUR EN MOUSSE AU NICKEL. HYDROGÉNATION DU FURFURAL (Promoting of Sponge Nickel Catalyst. Hydrogenation of Furfural). 9p. 8refs. CNRS-VIII bis 855.
Order from OTS, ETC or CNRS $1.10 TT-63-26879

Trans. in French of Akademiya Nauk Kazakhskoi SSR. Alma-Ata. Institut Khimicheskikh Nauk. Trudy, 1961, v.7, p.33-37.

Smedslund, Tor.
DIMETHYL SULFOXIDE AS A SOLVENT FOR SULFUR DIOXIDE. [1964] 3p
Order from SLA $1.10 TT-64-14963

Trans. of Finska Kemistsamfundet Medd[elanden] 1950 v. 59, p. 40-43.

Tamarina, N. A.
INCREASE IN TOXICITY WITH A DECREASE IN TH CONCENTRATION OF POISON. II. REASONS FOR A INCREASE IN THE TOXICITY OF COMMERCIAL CHLOROPHOS. 9 Apr 64, 8p 13refs JPRS: 24120.
Order from OTS $0.50 TT-64-31036

Trans. of Nauchnye Doklady Vysshei Shkoly. Biologicheskie Nauki (USSR) 1963, no. 2, p. 12-16.

Uchida, Hiroshi, Ichinokawa, Hideo, Yamamoto, Tamechika, and Asano, Tokanobu.
METHOD OF RECLAIMING A COBALT CATALYST F OXO-SYNTHESIS. Mar 64, 5p
Order from SA $16.00 SA Code-P-274

Trans. of published Japanese patent 2986/1963, cl. 13-F-5 (16-B-013) appl. 44346/1960, 10 Nov 60, pub. 10 Apr 63, by Chief of Agency of Industrial Science and Technology. (Abstract available)

Yaskevich, A.
OBTENCION DE SILICOALUMINIO DE LA CENIZA DE LOS CARBONES DE LA CUENCA DE MOSCU (Poluchenie Silikoalyuminiya iz Zoly Podmoskovnykh Uglei) (Obtention of Silicoaluminum from Moskow Basin Coal Ashes). 12p. CID:63-344.
Order from OTS, ETC or CNRS $1.60 TT-63-26744

Trans. in Spanish of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1945, no.1-2, p.237-241.

Analytical Chemistry

Babko, A. K. and Khodulina, P. V.
COLOR REACTION TO THE FLUORINE ION WITH A TITANOCHROMOTROPIC REAGENT [Tsvetnaya Reaktsiya na Ion Ftora s Titankhromotropovym Reaktivom] Zelda D. Knowles, tr. 12 Apr 55, 9p NIH no. 5-14-55.
Order from OTS, SLA, or ETC $1.10 TT-64-15055

Trans. of #Zhurnal Analiticheskoi Khimii (USSR) 1952, v. 7, no. 5, p. 281-284.
Another trans. is available from SLA as RT-2768, 10p.

Bode, Helmut and Arnswald, Wolfgang.
DIETHYLDTHIOPHOSPHORIC ACID AND ITS SODIUM SALT. Jan 64, 3500words
Order from LSA $35.35

Trans. of Zeitschrift für Analytische Chemie (West Germany) 1962, v. 185, no. 2, p. 99-110.

Drews, B. Specht, H., and Offer, G.
THE SEPARATION OF ISOMERIC ALIPHATIC ALCOHOLS BY GAS-CHROMATOGRAPHY. [1963] 6p 6refs
Order from SLA $1.10 TT-64-14962

Trans. of Z[eitschrift für] Anal[ytische] Chem[ie] (West Germany) 1962, v. 189, no. 4, p. 325-330.

Franc, Jaroslav.
CHROMATOGRAPHY OF AROMATIC ISOMERS. IX. SEPARATION OF SOME BENZENE MONO- AND TRICARBOXYLIC ACIDS BY PAPER CHROMATOGRAPHY. [1963] [12p] (figs omitted) 6refs
Order from SLA $1.60 TT-64-14362

Trans. of Chem[icke] Listy (Czechoslovakia) 1958, v. 52, p. 1108-1112. (Abstract available)

Gelman, N.E. and Korshun, M. O.
NOUVELLE MÉTHODE DE MICRODOSAGE SIMULTANÉ DU FLUOR, DE L'HYDROGÈNE ET DU CARBONE DANS LES COMPOSÉS ORGANIQUES (A New Method for the Simultaneous Micro-Determination of Fluorine Hydrogen and Carbon in Organic Compounds). 5p. 4refs. CNRS-VIII bis 177.
Order from OTS, ETC or CNRS $1.10 TT-62-26651

Trans. in French of Akademiya Nauk SSSR. Doklady, 1953, v. 89, no. 4, p. 685-687.
Another trans. is available in English from ATS as RJ-138.

Hammerschmidt, H. and Müller, M.
A METHOD FOR THE IDENTIFICATION OF FILLER AND COATING MATERIALS BY USE OF THIN-LAYER CHROMATOGRAPHY. [1963] 4p (figs omitted) 8refs
Order from SLA $1.10 TT-64-14801

Trans. of das Papier (West Germany) 1963, v. 17, no. 9, p. 448-450.

Klimova, V. A., Korshun, M. O., and Bereznitskaya, E. G.
RAPID METHODS OF MICROELEMENTARY ANALYSIS: SIMULTANEOUS DETERMINATION OF CARBON, HYDROGEN AND PHOSPHORUS IN ORGANOPHOSPHORUS COMPOUNDS [Skorostnye Metody Mikroelementarnogo Analiza. Odnovremennoe Opredelenie Ugleroda, Vodoroda i Fosfora v Fosfororganicheskikh Soedineniyakh]. [1964] 3p 4refs
Order from OTS, SLA, or ETC $1.10 TT-64-14693

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1954, v. 96, no. 2, p. 287-288.
Other translations are available from SLA as RT-2259 (5p) and R-2836 (3p); from ATS as RJ-257 (5p).

Korshun, M. O., Terent'eva, Ev. A., and Klimova, V. A.
RAPID METHODS FOR MICROELEMENTARY ANALYSIS. VIII. SIMULTANEOUS MICRODETERMINATION OF CARBON, HYDROGEN, AND PHOSPHORUS IN ORGANOPHOSPHORUS COMPOUNDS OF C, H, O, P, AND N COMPOSITION [Skorostnye Metody Mikroelementarnogo Analiza, Soobshchenie VIII] Z. D. Knowles, tr. 10 Jun 55, 20p 29refs NIH
Order from OTS, SLA, or ETC $1.60 TT-64-15095

Trans. of #Zhurnal Analitcheskoi Khimii (USSR) 1954, v. 9, no. 5, p. 275-281.
Another trans. is available from SLA as RT-2755, 20p. andas R-779, 20p

Lewandowski, Anzelm, Witkowski, Henryk, Platek, Jerry, and Brzozka, Danuta.
QUANTITATIVE ESTIMATION OF THE TOTAL CONTENT OF TOBACCO ALKALOIDS BY MEANS OF "CATIONIZED" FILTER PAPER. [1964] 12p 26refs
Order from SLA $1.60 TT-64-14759

Trans. of Chemia Analityczna (Poland) 1961, v. 6, no. 4, p. 551-558.
Another trans. is available from K-H $15.00 as K-H-11634 [1962] 12p.

Mikhailov, M. K.
A STUDY OF THE HYDROXY DERIVATIVES OF CINNAMIC ACID IN TOBACCO BY PAPER CHROMATOGRAPHY [Issledovanie Oksiproizvodnykh Korichnoi Kisloty v Tabake Metodom Khromatografii na Bumage]. [1963] 6p 14refs
Order from OTS, SLA, or ETC $1.10 TT-64-14521

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1958, v. 121, no. 2, p. 330-333.
Other translations are available from CB $5.00; from LC or SLA mi$1.80, ph$1.80 as TT-60-23990, CTS-626, Feb 59 [6p]; and from K-H $7.50 as K-H-8945-b [1962] 6p.

Milletti, Mario.
ON DEVICES CAPABLE OF DIMINISHING THE TOXICITY OF TOBACCO SMOKE AND ON THE TECHNIQUE OF THEIR EMPLOY. NOTE III. EXAMPLES OF DETERMINING THE SUBSTANCES CONTAINED IN TOBACCO SMOKE BY MEANS OF PAPER-CHROMATOGRAPHIC ANALYSES. [1962] [16p] 14refs
Order from SLA $1.60 TT-64-14463

Trans. of Chimica [nell'Industria nell'Agricoltura, nella Biologia, nelle Realizzazioni Autarchiche e Corporative] (Italy) 1959, v. 35, no. 10, p. 589-594.
Another trans. is available from K-H $18.75 as K-H-9929-c [1962] 15p.

Nechiporenko, G.N.
DOSAGE DES IONS SULFATE PAR LA MÉTHODE DE TITRAGE DIRECT PAR LE NITRATE DE PLOMB AVEC LA DITHIZONE COMME INDICATEUR (Determination of Sulfate Ions by Direct Titration with Lead Nitrate and Dithizone as an Indicator). 7p. 3refs. CNRS-VIII bis 475
Order from OTS, ETC or CNRS $1.10 TT-62-26647

Trans. in French of *Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1958, no. 3, p. 359-361.

Neukomm, S. and Bonnet, J.
STUDIES ABOUT CANCEROGENIC MATTER IN TOBACCO SMOKE. [1962] 8p (fig omitted)
Order from SLA $1.10 TT-64-14547

Trans. of Strahlentherapie Sonderb[an]d (Germany) 1957, v. 37, p. 128-132.
Another trans. is available from K-H $10.00 as K-H-8003-d [1962] 8p.

Nicolaus [B.] J. R., Cononelli, C., and Benaghi, A.
CHROMATOGRAPHY OF THIN LAYERS AND THEIR APPLICATION TO ANTIBIOTICS (Applicazione agli Antibiotici della Cromatografia su Strato Sottile). [1963] [30p] (foreign text included) 55refs
Order from SLA $2.60 TT-64-14652

Trans. of il Farmaco; Edizione Pratica (Italy) 1961, v. 16, no. 8, p. 349-370.

Onishi, Isao, Tamasaki, Kyoji, Sato, Toyoko, and Saito, Kenji.
STUDIES ON THE RELATIONSHIP BETWEEN THE COMPOSITION OF ESSENTIAL OIL OF TOBACCO AND THE TASTE OF TOBACCO SMOKE. PT. I. A PRELIMINARY STUDY OF THE COMPOSITION OF THE ESSENTIAL OIL, EMPLOYING CHIEFLY AN INFRARED ABSORPTION SPECTROPHOTOMETRIC TECHNIQUE. [1962] 48p 42refs
Order from SLA $4.60 TT-64-14539

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenkyu Hokoku (Japan) 1954, v. 90, p. 1-32.
Another trans. is available from K-H $60.00 as K-H-11436-a [1962] 48p.

Onishi, Isao, Yamamoto, Katsuki, and Shimitu, Rei.
STUDIES ON THE EXTRACTION OF TOBACCO CONSTITUENTS WITH FREON. PT. 2. THE CONSTITUENTS OF YELLOW VARIETY TOBACCO LEAVES EXTRACTED BY FREON. [1962] 10p 9refs
Order from SLA $1.10 TT-64-1454

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenkyu Hokoku] (Japan) 1954, v. 90, p. 39-43.
Another trans. is available from K-H $11.25 as K-H-11436-c [1962] 9p.

Pietzsch, A.
ON THE IDENTIFICATION OF CANCEROGENOUS HYDROCARBONS IN TOBACCO SMOKE. [1962] 3p 4refs
Order from SLA $1.10 TT-64-1453

Trans. of die Naturwissenschaften (West Germany) 195 v. 45, p. 445.
Another trans. is available from K-H $4.75 as K-H-9621 [1962] 3p.

Platek, Jerzy.
NICOTINE IN CIGARETTES AND OTHER HOME-GROWN TOBACCO PRODUCTS PRODUCED IN 1957. [1962] [15p] 9refs
Order from SLA $1.60 TT-64-14568

Trans. of Rocz[niki] Nauk Roln[iczych. Seria A: Roslinna] (Poland) 1960, v. 81, no. 4, p. 1109-1117.

Another trans. is available from K-H $17.50 as K-H-11085-g [1962] 14p.

Proskurnina, N. F. and Yakovleva, A. P.
ON THE ALKALOIDS OF GALANTHUS WORONOWI. III. THE STRUCTURE OF GALANTHAMINE [Ob Alkaloidakh Galanthus Woronowi. III. O Stroenii Galantamina] Zelda D. Knowles, tr. 13 Sep 55, 12p 6refs NIH no. 10-6-55.
Order from OTS, SLA, or ETC $1.60 TT-64-15072

Trans. of #Zhurnal Obshchei Biologii (USSR) 1955, v. 25, no. 5, p. 1035-1039.
Another trans. is available from SLA as RT-3126, 14p

Pyriki, C.
THE BEHAVIOR OF OXYNICOTINE IN THE SMOKING OF CIGARETTES. [1963] 19p 21refs
Order from SLA $1.60 TT-64-1453

Trans. of die Nahrung (West Germany) 1960, v. 4, no. p. 310-322.
Another trans. is available from K-H $23.75 as K-H-10573-d, Feb 61, 19p.

Pyriki, C.
CANCEROGENIC SUBSTANCES IN TOBACCO SMOKE AND THE POSSIBILITY OF REDUCING THEIR QUANTITY. [1962] 15p 38refs
Order from SLA $1.60 TT-64-14579

Trans. of Pharm[azeutische Zentralhalle [für Deutschland] (East Germany) 1961, v. 100, p. 213-221.
Another trans. is available from K-H $18.75 as K-H-11411-h [1962] 15p.

Pyriki, Constantin, Müller, Rudolf, and Moldenhauer, Walter.
[ON] THE OCCURRENCE OF POLYCYCLIC HYDROCARBONS IN CIGARETTE SMOKE. II. INVESTIGATION OF THE LIPOPHILE COMPONENTS OF THE VARIOUS PHASES OF SMOKING AND OF THE TOBACCO. [1961] 28p 32refs
Order from SLA $2.60 TT-64-14571

Trans. of [Institut für Tabakforschung. Berichte] (East Germany) 1960, v. 7, no. 1, p. 81-102.
Another trans. is available from K-H $35.00 as K-H-10573-e, Jan 61, 28p.

Rochus, W.
FUNDAMENTAL CONSIDERATIONS ON THE CHEMICAL COMPOSITION OF TOBACCO SMOKE AND ITS DEPOSITION PRODUCTS. [1962] 20p. (figs. omitted)
Order from SLA $1.60 TT-64-14534

Trans. of Beiträge zur Tabakforschung [sic] 1962, no. 5, p. 155-164.
Another trans. is available from K-H $25.50 as K-H-11816-b [1962] 20p.

Rochus, W.
A NEW MECHANIZED SMOKING AND SMOKE-DEPOSITION DEVICE FOR THE RECOVERY OF "NATIVE" TOBACCO TAR. [1963] 8p 1ref
Order from SLA $1.10 TT-64-14533

Trans. of Beiträge zur Tabakforschung [sic] 1962, no. 5, p. 165-169.
Another trans. is available from K-H $10.00 as K-H-11816-c [1962] 8p.

Spier, Hans Wolfgang.
CONCERNING A QUANTITATIVE MICRO-DETERMINATION OF POTASSIUM (AN OXIDATIVE DETERMINATION OF POTASSIUM BY WAY OF POTASSIUM TETRAPHENYLBORATE) (Zur Quantitativen Kalium-Mikroanalyse (Oxydimetrische Kalium-Bestimmung über Tetraphenylbor-Kalium)). [1963] [8p] 7refs
Order from SLA $1.10 TT-64-10335

Trans. of Biochemische Zeitschrift (West Germany) 1952, v. 322 [no. 6] p. 467-470. (Abstract available)

Suk, V., Malat, M., and Ryba, O.
COMPLEXOMETRIC TITRATIONS (CHELATOMETRY). VI. CATECHOL VIOLET, A NEW SPECIFIC INDICATOR. II. DETERMINATION OF THORIUM. [1963] 6p 12refs
Order from SLA $1.10 TT-64-14401

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] 1954, v. 19, p. 679-683 (pub. also in Chemicke Listy (Czechoslovakia) 1954, v. 48, p. 533ff).

(See also TT-61-20251)

Tanaka, A. and Shirakawa, A.
RAPID METHOD OF ANALYSIS FOR MINUTE QUANTITIES OF ARSENIC IN SELENIUM. [1963] [9p] 7refs
Order from SLA $1.10 TT-64-14643

Trans. of [Bunseki Kagaku] (Japan) 1963, v. 12, no. 10, p. 961-963.

Theis, M.
THE DIRECT VOLUMETRIC DETERMINATION OF ALUMINUM WITH ETHYLENEDIAMINETETRAACETIC ACID (KOMPELXON III). [1964] 6p 2refs
Order from SLA $1.10 TT-64-14921

Trans. of Z[eitschrift für] Anal[ytische] Chem[ie] (West Germany) 1955, v. 144 [no. 2] p. 106-108.

Vecera, M., Snobl, D., and Synek, L.
QUANTITATIVE ORGANIC ANALYSIS, XXVII. THE KINETICS AND MECHANISM OF THE CATALYTIC RAPID COMBUSTION IN THE DETERMINATION OF HYDROGEN IN ORGANIC COMPOUNDS. 5 Jul 63 [22p] 12refs
Order from SLA $2.60 TT-63-20981

Trans. of Mikrochim[ica] Acta (Austria) 1961, p. 370-389. (Abstract available)

Wieland, Theodor and Motzel, Werner.
THE PRESENCE OF BUFOTENIN IN YELLOW AMANITA MUSHROOMS. [1963] 6p (figs omitted) 15refs
Order from SLA $1.10 TT-64-14764

Trans. of [Justus Liebigs] Ann[alen der Chemie] (West Germany) 1953, v. 581, p. 10-16.

Inorganic Chemistry

PROCESS FOR PREPARING CHLORINE DIOXIDE. [1964] 9p
Order from OTS, SLA, or ETC $1.10 TT-64-14810

Trans. of French patent 979,652, gr. 14, cl. 1, by Naamlooze Vennootschap Internationale Oxygenium Maatschappij "Novadel", Holland, appl. 25 Jan 49, granted 13 Dec 50, pub. 30 Apr 51.

Bergman, A. G., Klement'ev, V. A., and Pevzner, E. B.
HYDROLYSIS OF MAGNESIUM CHLORIDE: LABORATORY STUDY. [1963] [40p] (4figs 2tables omitted) 14refs
Order from OTS, SLA, or ETC $3.60 TT-64-10238

Trans. of [Gosudarstvennyi Institut Prikladnoi Khimii. Trudy] (USSR) 1934, v. 25, p. 20-39.

Garrett, Donald E., Weck, Fredrich J., Foster, Herbert R., Jr., Marsh, Adam J.
RECOVERY OF BORON FROM BORATE SOLUTIONS, ETC., BY A FORMATION OF A COMPLEX WITH A POLYOL. [1963] 19p 12refs
Order from OTS, SLA, or ETC $1.60 TT-64-14354

Trans. of French patent 1,267,389, P. V. no. 836,032, internat. cl. Co1b, appl. 17 Apr 60, granted 12 Jun 61, by American Potash & Chemical Corp., U. S. A. (pat. 834,507, appl. 18 Apr 59, U. S. A.) (pub. in Bulletin Officiel de la Propriete Industrielle (France) 1961, no. 29). (Abstract available)

Mirkin, V. A. and Kozlovskii, M. T.
SPECTROPHOTOMETRIC STUDY OF THE COMPOSITION AND PROPERTIES OF VANADYL VANADATES. [1964] 8p 8refs
Order from OTS, SLA, or ETC $1.10 TT-64-14757

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 150, no. 2, p. 317-320.

Moriga, Shigetaro.
METHOD OF PRODUCING ALUMINA FROM BAUXITE OF HIGH SILICIC ACID CONTENT. Feb 64, 7p
Order from SA $16.00 SA Code-P-263

Trans. in manuscript of published Japanese patent 18156/1962, cl. 15-F-251.1, appl. 25172/1960, 20 May 60, pub. 20 Nov 62, by Sumitomo Chemical Industry Co., Ltd. (Abstract available)

Palatzky, A.
PROCESS FOR THE PRODUCTION OF A BARIUM TITANATE MATERIAL WITH A LOW TEMPERATURE COEFFICIENT OF THE DIELECTRIC CONSTANT. Mar 64
Order from TTIS $4.00 TTIS NS 185

Trans. of East German patent 25,584, appl. 15 Aug 58, pub. 9 Sep 63.

Pershke, V. K. and Chufarov, G. I.
THE PREPARATION OF HYDROCHLORIC ACID AND MAGNESIUM OXIDE FROM MAGNESIUM CHLORIDE. [1963] 18p (figs omitted) 6refs
Order from OTS, SLA, or ETC $1.60 TT-64-10726

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1930, v. 7, p. 332-335.

Wiberg, Egon.
RECENT PROGRESS IN PREPARATIVE HYDRIDE RESEARCH. Expanded version of a paper presented at the Congress of the Society of German Chemists, Frankfurt am Main, 19 May 52. [1963] [70p] 109refs
Order from SLA $6.60 TT-64-1437

Trans. of Angewandte Chemie (West Germany) 1953, v. 65, no. 1, p. 16-33.
Other translations are available from SLA $4.60 as TT-63-10571 [1962] [42p] and from SLA as I-833, 67p.

Wiberg, Egon, May, Adolf, Nöth, Heinrich and Gösele, Wilhelm.
TRANSFORMATION OF ALUMINUM HYDRIDE WITH AMMONIA AND AMINES, PTS. I-[VII]. [1964] 43p 37refs
Order from SLA $4.60 TT-64-1492

Trans. of Z[eitschrift für] Naturforsch[ung] (West Germany) 1955, v. 10b, p. 229-240.
Another trans. is available from K-H $43.00 as K-H-3564 [1963] 43p.

Organic Chemistry

A METHOD FOR THE SYNTHESIS OF ALKYL ETHERS OF MONOVALENT PHENOLS AND THEIR HALOGEN SUBSTITUTION PRODUCTS. [1964] 4p
Order from OTS, SLA, or ETC $1.10 TT-64-1492

Trans. of German patent no. 411052, cl. 12q, gr. 14 (C 28984 IV/129) suppl. to pat. 281175, by Aktien-Gesellschaft für Anilin-Fabrikation, pat. 13 Apr 20, limit of duration 9 Jul 31.
Another trans. is available from OTS or SLA $1.10 as TT-63-18680 [1963] 3p.

MINING: SELECTED ARTICLES.
M. Najberg and I. Dmowski, trs. 1963 [23p] 32refs PL-480 Int.
Order from OTS $0.50 TT-61-1135

Trans. of Koks, Smola, Gaz (Poland) 1959 [v. 4] no. 5/6, p. 216-220; Normalizacja (Poland) 1960 [v. 28] no. 7/8, p. 360-365.

Separate entries have been prepared for the individual articles.

POLYCHLOROANILIDES AS MOTH-PROOFING AGEN
Mar 64
Order from TTIS $5.40 TTIS-NS-18

Trans. of Polish patent 46,204, by VEB Farbefabriken Wolfen, appl. 3 Nov 61, pub. 12 Sep 63.

PROCESS FOR PREPARATION OF SULFURIC ESTER OF CONDENSATION PRODUCTS. [1964] 3p
Order from OTS, SLA, or ETC $1.10 TT-64-14884

Trans. of German patent 647,988 [1937].

ROCESS FOR PREPARING DIALDEHYDES OR THEIR CONVERSION PRODUCTS FROM DIOLEFINS. [1964] 8p]
Order from OTS, SLA, or ETC $1.10 TT-64-14905

Trans. of German patent application no. R 7986 12o, 7/03) filing date 31 Dec 51, pub. 18 Nov 54, r: Chemische Verwertungsgesellschaft Oberhausen m. b. h., Oberhausen-Holten.

ROCESS FOR PRODUCING COMPLEX COMPOUNDS OF HYDROCARBON ALUMINUMS AND ALKALI FLUORIDES [Verfahren zur Herstellung von Komplexverbindungen aus Aluminiumkohlenwasserstoffen und Alkaliflouriden]. Jan 64.
Order from RIS $7.00 RIS-96259
Metal Organics Set $200.00

Trans. of German patent appl. Z 3584, Feb 55, supplement to 925 348. (Abstract available)

ROCESS FOR PRODUCING SODIUM CYCLOPENTADIENE, SODIUM ALKYL AND SODIUM BENZYL CYCLOPENTADIENES. Jan 64.
Order from RIS $8.00 RIS-96264
Metal Organics Set $200.00

Trans. of German patent appl. Z 2857, Oct 54, suppl. to pat. appl. Z 2636. (Abstract available)

ROCESS FOR THE CONTINUOUS POLYMERIZATION OF OLEFINS. Jan 64, 7900words
Order from LSA $75.00

Trans. of Belgian patent 552, 351, 5 May 57.

ROCESS FOR THE SEPARATION OF MIXTURES OF 1,5- AND 1,8-DINITRONAPHTHALENES. Mar 64.
Order from TTIS $1.80 TTIS NS 184

Trans. of East German patent 26,541, by VEB Farbenfabriken Wolfen, appl. 8 Nov 61, pub. 4 Nov 63.

RODUCTION OF HIGH MOLECULAR CONDENSED ULFONIC ACIDS. [1964] 1p
Order from SLA $1.10 TT-64-14868

Trans. of [Seifen-Öle-Fette-Wachse] (Germany) 1937, . 64, 2 Jun, p. 404 (German patent 642,829, kl. 12 0, r. 23, 1933).

Abe, Saburo.
ROCESS FOR MANUFACTURING UREA OF HIGH URITY USING EXCESS AMMONIA. Feb 64 [12p]
Order from SA $19.00 SA Code-P-230

Trans. of published Japanese patent 3117/1963, l. 16-B-811 (4-D-15) appl. 37946/1959, 8 Dec 59, ub. 12 Apr 63, by Toyo Koatsu Industries, Inc.

Alaschewski, Georg and Müller, Friedrich.
PROCESS FOR THE PREPARATION OF TRICHLOROBENZENES AND HYDROGEN CHLORIDE FROM HEXACHLOROCYCLOHEXANE. [1963] 4p 3refs
Order from OTS, SLA, or ETC $1.10 TT-64-14392

Trans. of German patent 905,610, cl. 12o, gr. 2_{01}, R 5987 IVd/120, appl. 23 Oct 52, granted 21 Jan 54, issued 22 Mar 54, by Rutgerswerke Joint Stock Co., pat. from 20 May 51. (Abstract available)
Another trans. is available from SLA as II-412, 4p.

Andrianov, K. A. and Gornetz, L. V.
SYNTHESIS OF ALKYL(ARYL)ALKOXYSILANES [Sintez Alkil (Aril) Alkoksisilanov]. [1964] 7p 9refs
Order from OTS, SLA, or ETC $1.10 TT-64-14932

Trans. of Akademiya Nauk SSSR. Doklady, 1955, v. 101, no. 2, p. 259-261.
Other translations are available from K-H $8.75 as K-H-3626-c [1962] 7p and from SLA as RT-3038.

Asahara, Teruzo and others.
THE STUDY OF α OLEFINES. REPT. 6. THE DEHALOGENATION OF ALKYL HALIDES: THE HEAT DECOMPOSITION OF BORIC ESTER. [31 Oct 62] [8p]
Order from SLA $1.10 TT-64-14355

Trans. of Kogyo Kagaku Zasshi (Japan) 1952, v. 55, p. 589-591. (Abstract available)

Basova, R. V., Arest-Yakubovich, A. A., Solovykh, D. A. and others.
BUTADIENE POLYMERIZATION IN THE PRESSURE OF ALKALI METALS AND OF THEIR DERIVATIVES IN VARIOUS MEDIA. [1964] 6p 21refs
Order from OTS, SLA, or ETC $1.10 TT-64-14886

Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1963, v. 149, no. 5, p. 1067-1070.

Böhme, Horst and Schmidt, Wilhelm.
ABOUT CONDENSATION PRODUCTS OF ALDEHYDES AND KETONES WITH THIOSALICYLIC ACID AMIDE (Über Kondensations-produkte von Aldehyden und Ketonen mit Theisalizylsäure-amid). [1963] [16p]13refs
Order from SLA $1.60 TT-64-10346

Trans. of Archiv der Pharmazie (West Germany) 1953, v. 286, no. 7, p. 330-337. (Abstract available)

Curtius.
HYDRAZIDES AND AZIDES OF ORGANIC ACIDS. II. N-AMINOSUCCINIMIDE. 29 Jul 54, 2p
Order from SLA $1.10 TT-64-10433

Trans. of J[ournal für] Prakt[ische] Chem[ie] (Germany) 1915, v. 92, p. 102-103.

Dranishnikov, G.L.
AU SUJET DU PROCESSUS ET DES PRODUITS INTERMÉDIAIRES DE L'AUTOOXYDATION DE L'ALLO-CYMÈNE (The Process and the Intermediate Products of Autoxidation of Allocimene). 20p. 8refs. CNRS-VIII bis 484.
Order from OTS, ETC or CNRS $1.60 TT-62-26648

Trans. in French of #Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1953, no.3, p.470-478.

Ernst, Paul.
REESTERIFICATION OF TRIGLYCERIDES OF HIGH MOLECULAR FATTY ACIDS. [1964] 4p
Order from SLA $1.10 TT-64-14863

Trans. of [Seifen-Öle-Fette-Wachse] (Germany) 1937 [v. 64] 7 Apr, p. 248 (German patent 642,454, 1932).

Frankl, Z.
SOME PHENOMENA IN THE COAL CARBONIZATION PROCESS [Niektore Zjawiska Procesu Odgazowania Wegli]
I. Dmowski, tr. 1963, 11p 11refs PL-480 Int.
Order from OTS $0.50 in TT-61-11355 (p. 13-23)

Trans. of Koks, Smola, Gaz (Poland) 1959 [v. 4] no. 5/6, p. 216-220.

Freidlin, L. Kh. and Lebedeva, A. I.
THE INTERACTION OF SODAMIDE WITH THE SALTS OF ORGANIC ACIDS. [1964] 13p 31refs
Order from OTS, SLA, or ETC $1.60 TT-64-14699

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1939, v. 9, p. 996-1006.

Fujii, Hiroyasu, Saegusa, Takeo, Furukawa, Junji.
STEREOBLOCK POLYMERIZATION OF ACETALDEHYDE. Jan 64
Order from LSA $20.00

Trans. of Kogyo Kagaku Zasshi (Japan) 1962, v. 65, no. 5, p. 695-698.

Gulyaev, G. V., Kozlov, G. I. and others.
CONVERSION OF METHANE TO ACETYLENE IN A PLASMA JET. [1964] 4p 3refs
Order from OTS, SLA, or ETC $1.10 TT-64-14946

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 5] p. 793-794
Another trans. is available from ATS $5.00 as ATS-21Q70R [1963] 3p.

Gulyaev, G. V., Kozlov, G. I., Polak, L. S., and others.
CONVERSION OF METHANE TO ACETYLENE IN ARGON PLASMA-JET. [1964] 6p 4refs
Order from OTS, SLA, or ETC $1.10 TT-64-14948

Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1963, v. 148 [no. 3] p. 641-643.

Hamada, Masayuki.
BENZENE HEXACHLORIDE: A FIFTH DIGEST AND LIST OF PUBLICATIONS. [1963] 39p 256refs
Order from SLA $3.60 TT-63-20736

Trans. of Botyu-Kagaku (Japan) 1953, v. 18, p. 122ff.

See also TT-63-18671

Heilpern, S.
INVESTIGATION OF THE MECHANISM OF PHENOMENA OCCURRING IN THE PLASTIC STATE OF BITUMINOUS COAL TREATED BY SOLVENT EXTRACTION [Badania Mechanizmu Zjawisk Zachodzacych w Stanie Plastycznym w Weglu Kamiennym Przez Ekstrakcje Rozpuszczalnikami] J. Dlutek, tr. 1963, 6p 5refs PL-480 Int.
Order from OTS $1.50 in TT-61-11350 (p. 130-135)

Trans. of Koks, Smola, Gaz (Poland) 1957 [v. 2] no. 1, p. 8-11.

Hiratsuka, Kizo, Inoue, Chikao, Nagae, Yuji, and Umeda, Kanehiro.
A PROCESS FOR THE MANUFACTURE OF ETHYLENE-BIS-DITHIO CARBAMIC ACID ARSENIC DERIVATIVES. Feb 64, 13p 2refs
Order from SA $19.00 SA Code-P-234

Trans. of published Japanese patent 8566/1956, cl. 16 C 93 (30 F 37) (16 B 93) (30 F 91) appl. 28151/1954, 23 Dec 54, pub. 5 Oct 56, by Toa Noyaku Co., Ltd. (Abstract available)

Isojima, Toshizo, Tame, Ken, Nishioka, Morio, Matsuzawa, Hideo, and Suzuki, Tsunehiko.
A METHOD TO STABILIZE VINYLPYRIDINES. Feb 64, 3p
Order from SA $16.00 SA Code-P-266

Trans. of published Japanese patent 16277/1962 cl. 16-E-431 (26-B-012) appl. 24962/1958, 2 Sep 58, pub. as Oct 62, by Mitsubishi-Rayon Co., Ltd. (Abstract available)

Ito, S.
A METHOD FOR THE PREPARATION OF ε-CAPROLACTAM BASED ON THE REACTION OF CYCLOHEXANE WITH NITROSYL CHLORIDE. [1963] 10p 15refs
Order from SLA $1.10 TT-64-10595

Trans. of Yuki Gosei Kagaku [Kyokai Shi] (Japan) 1963, v. 21, p. 160-163.

Iwada and Tsuji.
INFLUENCE DE CATALYSEURS SUR LA RÉACTION DE TRANSPOSITION ORTHO, MÉTA ET PARA. II. NITRATION DE CHLORURE DE BENZYLE (Influence of Catalysts on the Ortho, Meta and Para Transposition Reaction. II. Nitration of Benzylchloride). 7p. 4refs. CNRS-VIII bis 282.
Order from OTS, ETC or CNRS $1.10 TT-62-26718

Trans. in French of Unidentified Japanese language article, n.d.

Karnojitzky, V. J.
ACCIDENTS PRODUCED BY ETHER RESIDUES, CONNECTED WITH THE FORMATION OF EXPLOSIVE PEROXIDES. [1964] 12p 21refs
Order from SLA $1.60 TT-64-16011

Trans. of Chimie et Industrie (France) 1962, v. 88, no. 3, p. 233-238.

Korshak, V.V. and Golubev, V.V.
ESTUDIOS EN EL CAMPO DE LOS COMPUESTOS MACROMOLECULARES. XXI. ACERCA DE LA POLICONDENSACION DEL GLICOL CON ACIDO ADIPICO (Issledovaniya v Oblasti Vysokomolekulyarnykh Soedinenii. XXI. O Polikondensatsii Glikolya Adipinovoi Kislotoi) (Studies in the Macromolecular Field. XXI. On Adipic Acid Glycol Polycondensation). 17p. 12refs. CID:63-350.
Order from OTS, ETC or CID $1.60 TT-63-26750

Trans. in Spanish of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1949, no.4, p.379-385.
Another trans. is available in English from SLA as RT-3977, 11p.

Korshak, V. V., Chelnokova, G. N. and Distler, G. I.
DE L'IMPORTANCE DES RÉACTIONS D'ÉCHANGE DANS LA POLYCONDENSATION (Role of Exchange Reaction in the Polycondensation Process). 5p. 5refs. CNRS-VIII bis 275.
Order from OTS, ETC or CNRS $1.10 TT-62-26717

Trans. in French of Akademiya Nauk SSSR. Doklady, 1952, v. 82, no. 4, p. 589-591.
Another trans. is available in English from OTS, SLA or ETC as TT-63-18667 [1963] 6p.

Kowalski, J. and Klose, J.
EXPERIMENTS ON PHENOL EXTRACTION FROM ALKALINE SOLUTIONS OF PHENOLATE [Doswiadczenia nad Ekstrakja Lugow Fenolowych] J. Dlutek, tr. 1963, 9p 5refs PL-480 Int.
Order from OTS $1.50 in TT-61-11350 (p. 90-98)

Trans. of Koks, Smola, Gaz (Poland) 1958 [v. 3] no. 5, p. 184-189.

Kowalski, J. and Szczurek, B.
EXPERIMENTS ON EXTRACTING PHENOLS FROM TAR OILS WITH ACETONE [Doswiadczenia nad Ekstrakcja Fenoli z Olejow Smolowych za Pomoca Acetonu] J. Dlutek, tr. 1963, 12p 8refs PL-480 Int.
Order from OTS $1.50 in TT-61-11350 (p. 99-110)

Trans. of Koks, Smola, Gaz (Poland) 1958 [v. 3] no. 4, p. 143-151.

Kowalski, J. and Szczurek, J.
EXPERIMENTS ON PHENOL EXTRACTION FROM TAR OILS BY ORGANIC SOLVENTS [Doswiadczenia nad Ekstrakcja Fenoli z Olejow Smolowych za Pomoca Rozpuszczalnikow Organicznych] J. Dlutek, tr. 1963, 13p 6refs PL-480 Int.
Order from OTS $1.50 in TT-61-11350 (p. 117-129)

Trans. of Koks, Smola, Gaz (Poland) 1958 [v. 3] no. 1, p. 11-19.

Kowalski, J. and Szczurek, J.
EXPERIMENTS ON THE EXTRACTION OF CREOSOTE OIL FROM BROWN COAL LOW-TEMPERATURE TAR [Doswiadczenia nad Ekstrakcja Oleju Kreozotowego Pochodzacego z Prazmoly z Wegla Brunatnego] J. Dlutek, tr. 1963, 6p 4refs PL-480 Int.
Order from OTS $1.50 in TT-61-11350 (p. 111-116)

Trans. of Koks, Smola, Gaz (Poland) 1958 [v. 3] no. 2, p. 47-50.

Linder, Kurt and Russe, Arno.
WETTING, CLEANSING AND EMULSIFYING AGENT (Benetzungo Reinirienes -und Emulguerungsmittel). [1964] 2p
Order from SLA $1.10 TT-64-14862

Trans. of [Seifen-Öle-Fette-Wachse] (Germany) 1937 [v. 64] 28 Apr, p. 310 (German patent 642,414, 1930).

Matsuura, Ryo and Suzuki, Yoshiaki.
METHOD OF OXIDATION OF CYCLOALKANES. Feb 64, 6p
Order from SA $16.00 SA Code-P-258

Trans. of published Japanese patent 774/1963, cl. 16-C-841 (16-C-85) appl. 29300/1960, 25 Jun 60, pub. 6 Feb 63, by Mitsubishi Kasei Kogyo Co., Ltd. (Abstract available)

Minachev, Kh. M. and Garanin, V. I.
DEHYDROGENATION OF CYCLOHEXANE AND HYDROGENATION OF BENZENE IN FLUIDIZED ALUMINA-PALLADIUM BED CATALYST. [1964] [5p] 3refs
Order from OTS, SLA, or ETC $1.10 TT-64-14950

Trans. of #Akad[emiya] Nauk SSSR. Otdelenie. Khimicheskikh Nauk. Izvestiya, 1963, no. 3, p. 528-531.

Momoi, M., Amamiya, M. and Yamaguchi, O.
METHODE DE FABRICATION DES DERIVÉS DE L'ACIDE BARBITURIQUE (Barbituric Acid Derivatives). 6p. CNRS-VIII bis 173.
Order from OTS, ETC or CNRS $1.10 TT-62-26684

Trans. in French of Japanese patent application 1562-1951 by Shin-Etsu Kagaku-Kogyo Kabushiki Kaisha, Tokyo-To, pub. 27 March 51.

Najberg, M. and Wiszniowski, K.
STANDARDIZATION OF COAL CHEMICALS [Normalizacja Produktow Weglopochodnych]
M. Najberg, tr. 1963, 12p 21refs PL-480 Int.
Order from OTS $0.50 in TT-61-11355 (p. 1-12)

Trans. of Normalizacja (Poland) 1960 [v. 28] no. 7/8, p. 360-365.

Natta, Giulio and others.
HIGH-MOLECULAR WEIGHT ACETYLENE HYDROCARBONS AND PROCESS FOR THEIR PRODUCTION. Jan 64.
Order from RIS $34.00 RIS-96633
Hydrocarbons Set $75.00

Trans. of Belgian patent 546 151, by Montecatini, Milan, Mar 56. (Abstract available)

Okahara, M., Goto, J., and Komori, S.
SYNTHESIS AND SURFACE ACTIVITY OF ALKYLUREA N-GLUCOSIDES. [1963] 18p 31refs
Order from SLA $1.60 TT-64-14357

Trans. of Kogyo Kagaku Zasshi (Japan) 1963, v. 66, no. 7, p. 948-952. (Abstract available)

Ota, Masaki.
METHOD OF MANUFACTURING DL-METHIONINE. Feb 64, 3p
Order from SA $16.00 SA Code-P-264

Trans. of published Japanese patent 1071/1955, cl. 16-B-65, appl. 11938/1953, 4 Jul 53, pub. 19 Feb 55, by Mitsubishi Kasei Kogyo Co., Ltd. (Abstract available)

Otsuka, Eiji, Yoshimura, Shinji, and Takada, Minoru.
METHOD FOR TREATING BIURET IN UREA. Feb 64, 7p
Order from SA $16.00 SA Code-P-228

Trans. of published Japanese patent 3116/1963, cl. 16-B-811, appl. 35297/1958, 10 Dec 58, pub. 12 Apr 63, by Toyo Koatsu Industries, Inc.

Petrov, A. D., Ponomarenko, V. A., Mkhitaryan, L. L., and Snegova, A. D.
THE SYNTHESIS AND PROPERTIES OF MONOCHLORO DERIVATIVES OF ETHYL SILANE CHLORIDES. [1964 8p (figs omitted) 10refs
Order from OTS, SLA, or ETC $1.10 TT-64-14914

Trans. of Akademiya Nauk SSSR. Doklady, 1955, v. 100 no. 6, p. 1107-1110.

Plets, V. M.
PROBLEM OF ORGANIC COMPOUNDS OF TITANIUM. Jan 64, 1650words
Order from LSA $16.85

Trans. of Zhurnal Obshchei Khimii (USSR) 1938, v. 8, no. 14/15, p. 1298-1301.

Pyriki, Constantin and Moldenhauer, Walter.
INFLUENCING CIGARETTE SMOKE BY PROCESSING TOBACCO WITH VARIOUS AGENTS. [1963] 39p 18refs
Order from SLA $3.60 TT-64-14583

Trans. of Inst[itut für] Tabakforsch[ung]. Ber[ichte] (East Germany) 1960, v. 7, no. 2, p. 216-240. Other translations are available from K-H $48.75 as K-H-10969-e [1962]; partial trans. (excerpts) from SLA $1.10 as TT-63-14368 [1963] 9p.

Razuvaev, G. A. and Graevskii [A. I.].
SYNTHESIS OF ORGANOALUMINUM PEROXIDES. [1964] 2p
Order from K-H $1.20 K-H-12337-t

Trans. of #Zhurnal Obshchei Khimii (USSR) 1962, v. 32 [no. 3] p. 1006-1007.

Razuvaev, G. A., Vyazankin, N. S., and Shchepetkova, O. A.
THERMAL DECOMPOSITION OF TETRAETHYL LEAD, HEXAETHYLDIPLUMBANE, AND THEIR ANALOGUES: HOMOLYSIS OF HEXAETHYLDIPLUMBANE AND HEXAETHYLDISTANNANE. [1964] 17p
Order from K-H $10.20 K-H-10863

Trans. of #Zhurnal Obshchei Khimii (USSR) 1960, v. 30 [no. 8] p. 2498-2506.

Reutov, O. A.
SYNTHESIS OF AROMATIC ORGANO-BISMUTH COMPOUNDS THROUGH ARYLAZOCARBOXYLIC SALTS
Z. D. Knowles, tr. 8 Jul 55, 10p 10refs NIH-7-8-55.
Order from OTS, SLA, or ETC $1.10 TT-64-15092

Trans. of Moscow U. Vestnik (USSR) 1953, v. 8, no. 3, p. 119-123.
Also available from SLA as R-00780, 10p

Scherer, Otto.
PROCESS FOR THE PREPARATION OF HYDROCARBONS CONTAINING FLUORINE AND CHLORINE. [1964] 4p
Order from OTS, SLA, or ETC $1.10 TT-64-14910

Trans. of German patent 856,145, cl. 12 o, gr. 20_1 F3741 IV d/12 o, pat. from 12 Mar 43 (interval from 8 May 45-7 May 50 inclusive not counted in pat. life) appl. announced 17 Jan 52, grant announced 18 Sep 52. Another trans. is available from SLA as # 02155, 4p.

Schulz, Rolf C.
REACTIONS OF POLYACROLEINS WITH REACTIVE POLYMERS. Presented at the Scientific Meeting (no. 20) of the Kolloid-Gesellschaft, Bad Osynhausen, 19-20 Oct 61. [1963] [11p] 36refs
Order from SLA $1.60 TT-64-10680

Trans. of Kolloid-Zeitschrift [und Zeitschrift für Polymere] (West Germany) 1962, v. 182, [no. 1/2] p. 99-104. (Abstract available)

Sheshukova, M.
STUDY OF THE PRODUCTS OBTAINED BY THE ACTION OF CHLORINE ON VARIOUS BUTYLENES. [1963] 52p 42refs
Order from OTS, SLA, or ETC $5.60 TT-64-10278

Trans. of [Russkoe Fiziko-Khimicheskoe Obshchestvo. Zhurnal] 1884, v. 16, p. 478-511.

Shilov, A. E., Shilova, A. K., and Bobkov, B. N.
REACTION OF α-OLEFINS WITH SOLUBLE COMPLEX CATALYSTS OF THE ZIEGLER TYPE AND THE INITIATION MECHANISM OF ETHYLENE POLYMERIZATION. [1963] [19p] 11refs
Order from OTS, SLA, or ETC $1.60 TT-64-14361

Trans. of Vysokomol[ekulyarnye] Soed[ineniya] (USSR) 1962, v. 4 [no. 11] p. 1688-1695. (Abstract available)

Other translations are available from ATS $12.75 as ATS-65Q67R [1963] 9p and from PP $140.00/year in Polymer Science USSR, v. 4, no. 3, p. 526-535.

Shuikin, N.
SOBRE LA APERTURA DEL ANILLO TETRAHIDROFURANICO POR ACCION DE ALGUNOS HALOGENADOS (O Raskrytii Tetragidrofuranovogo Tsikla Pod Deistviem Nekotorykh Galoidnykh Soedinenii) (Cracking of the Tetrahydrofurane Ring by the Action of Different Halides). 5p. CID:63-398.
Order from OTS, ETC or CID $1.10 TT-63-26798

Trans. in Spanish of Akademiya Nauk SSSR. Doklady, 1956, v.111, no.5, p.1048-1049.

Sigov, O. V. and Zavgorodnii, S. V.
THE AUTOOXIDATION OF ISOPROPYLCYCLOHEXANE WITH AIR-OXYGEN. [1964] 8p 11refs
Order from OTS, SLA, or ETC $1.10 TT-64-14961

Trans. of #Zh[urnal] Obshchei Khimii (USSR) 1962, v. 32, no. 2, p. 562-567.

Thönessen, Carl.
A PROCEDURE FOR OBTAINING PURE GAMMA-HEXACHLOROCYCLOHEXANE FROM A MIXTURE OF HEXACHLOROCYCLOHEXANE ISOMERS. [1963] 4p 2refs
Order from OTS, SLA, or ETC $1.10 TT-64-14382

Trans. of German patent application R 8137, order no. 5057/54, presented 23 Jan 52, announced 11 Nov 54, pub. 11 Nov 54, objection until 11 Mar 55, by F. Raschig Limited Co. (Abstract available)

Topchiev, A.V., Kaptsov, N.N. and Balitskaya, I.E.
PRÉPARATION DES DÉRIVÉS NITRÉS À PARTIR DES OXIMES (Poluchenie Nitro Soedinenii iz Oksimov) (Producing Nitro Compounds from Oximes). 20p. (foreign text included) 23refs. CNRS-VIII 147.
Order from OTS, ETC or CNRS $1.60 TT-63-26832

Trans. in French of Akademiya Nauk SSSR. Institut Nefti. Trudy, 1960, v.14, p.90-97.

Wakamatsu, Hachiro, Iwanaga, Ryoji and Kato, Jiro.
PROCESS FOR MANUFACTURING ALDEHYDES BY OXO-REACTION. Mar 64, 14p 1ref
Order from SA $22.00 SA Code-P-268

Trans. of published Japanese patent 18466/1962, cl. 16-B-51 (16-B-013) appl. 12447/1958, 6 May 58, pub. 4 Dec 62, by Aji-no-moto Co., Ltd. (Abstract available)

Yamane, T.
EFFECT OF METALLIC CHLORIDES ON THE GAMMA ISOMER OF 1, 2, 3, 4, 5, 6-HEXACHLOROCYCLOHEXANE. [1963] 7p (figs omitted) 4refs
Order from SLA $1.10 TT-63-18954

Trans. of [Rikagaku Kenkyujo Hokoku] (Japan) 1950, v. 26, p. 255-257. (Abstract available)

Yamashita, Motoharu and Kamaji, Tetsuo.
PROCESS FOR PURIFICATION OF MELAMINE. Mar 64, 10p 4refs
Order from SA $19.00 SA Code-P-270

Trans. of published Japanese patent 7992/1963, cl. 16-E-471, appl. 4883/1960, 13 Feb 60, pub. 4 Jun 63, by Nihon Carbide Industry Co., Ltd. (Abstract available)

Zakharkin, L. I. and Gavrilenko, V. V.
COMPLEXES OF TRIALKYLALUMINUM AND DIALKYLALUMINUM HYDRIDES WITH ALKALI METAL ALKYLS AND HYDRIDES. [1964] 9p
Order from K-H $5.40 K-H-12337-a

Trans. of #Zhurnal Obshchei Khimii (USSR) 1962, v. 32 [no. 3] p. 689-692.

Zell, Robert and Steigerwald, Christian.
PROCEDURE FOR INCREASING THE STABILITY OF SOLUTIONS OF METALLIC CARBONYLS IN HYDROCARBONS. [1963] 3p
Order from OTS, SLA, or ETC $1.10 TT-64-14691

Trans. of German patent 523601, cl. 12n, gr. 1, I 35173 IV b/12n, released 9 Apr 31, pat. from 7 Aug 28, issued 25 Apr 31.

Ziegler, K.
THE IMPORTANCE OF ALKALI METALLO-ORGANIC COMPOUNDS FOR SYNTHESIS. [1964] 17p 4refs
Order from SLA $1.60 TT-64-14901

Trans. of Angew[andte] Chem[ie] (Germany) 1936, v. 49, no. 30, p. 499-502.
Another trans. is available from K-H $17.00 as K-H-3456-k [1963] 17p.

Ziegler, K. and Gellert, H. G.
ALKALI ORGANIC COMPOUNDS. XVI. THERMAL STABILITY OF LITHIUM ALKYLS. [1964] 9p 14refs
Order from SLA $1.10 TT-64-14929

Trans. of [Justus Liebigs] Annalen [der Chemie] (West Germany) 1950, v. 567, p. 179-184.
Another trans. is available in French from SLA mi$1.80, ph$1.80 in CEA-tr-A553, 25 Mar 59 [5]p.

See also TT-64-14906

Ziegler, K. and Kleiner, H.
POLYMERIZATION OF UNSATURATED HYDROCARBONS UNDER THE INFLUENCE OF ALKALI METALS AND ALKALI METAL ALKYLS, III. [1964] 37p (figs omitted) 7refs
Order from SLA $3.60 TT-64-14928

Trans. of [Justus Liebigs] Annalen [der Chemie] (West Germany) 1929, v. 473, p. 57-82.

Ziegler, Karl.
PROCESS AND APPARATUS FOR THE PRODUCTION OF DIALKYLALUMINUM HYDRIDES AND TRIALKYLALUMINUMS [Procédé et Dispositif pour la Fabrication d(Hydrures d'Aluminum Dialcoyles et d'Aluminum Trialcoyles)]. Jan 64 [25p]
Order from RIS $45.00 RIS-96644
Metal Organics Set $200.00

Trans. of Belgian patent 546 432, Mar 56. (Abstract available)

Ziegler, Karl.
PROCESS FOR CATALYTIC POLYMERIZATION OF ETHYLENE TO BUTENE, HEXENE AND OTHER HOMOLOGS. Jan 64.
Order from RIS $21.00 RIS-96481
Polyolefins Set $750.00

Trans. of Italian patent 521 521, Mar 55. (Abstract available)

Ziegler, Karl.
PROCESS FOR DIMERIZATION OF OLEFINS. Jan 64.
Order from RIS $27.00 RIS-96543
Polyolefins Set $750.00

Trans. of French patent 1 050 286, Jan 54. (Abstract available)

[Ziegler, Karl].
PROCESS FOR DIMERIZATION OF OLEFINS OR OLEFINIC MIXTURES (Verfahren zur Dimerisation von Olefinen bzw. Olefinischen Gemischen]. Jan 64 [3p]
Order from RIS $4.00 RIS-96257
Polyolefins Set $750.00

Trans. of German patent appl. Z 3803, Aug 54, supplement to pat. 878 560. (Abstract available)

[Ziegler, Karl].
PROCESS FOR PREPARING ALUMINUM-ORGANIC COMPOUNDS [Verfahren zur Darstellung Aluminiumorganischer Verbindungen]. Jan 64 [23p]
Order from RIS $25.00 RIS-96254
Metal Organics Set $200.00

Trans. of German patent appl. Z 2679, Mar 54. (Abstract available)

[Ziegler, Karl].
PROCESS FOR PREPARING ORGANIC COMPOUNDS OF ALUMINUM AND BERYLLIUM [Verfahren zur Darstellung Organischer Verbindungen des Aluminiums und Berylliums]. Jan 64 [26p]
Order from RIS $29.00 RIS-96259A
Metal Organics Set $200.00

Trans. of German patent 917 006, Jul 54. (Abstract available)

Ziegler, Karl.
PROCESS FOR PREPARING TEREPHTHALIC ACID AND PHTHALIC ACID. Jan 64.
Order from RIS $11.00 RIS-96256
Hydrocarbons Set $75.00

Trans. of German patent appl. Z 2647, 31 Dec 53. (Abstract available)

[Ziegler, Karl].
PROCESS FOR PREPARING TRIALKYLALUMINUMS [Verfahren zur Herstellung von Aluminiumtrialkylen]. Jan 64 [8p]
Order from RIS $10.00 RIS-96255
Metal Organics Set $200.00

Trans. of German patent appl. Z 2681, Dec 53, (Abstract available)

[Ziegler, Karl].
PROCESS FOR PRODUCING ALKYLALUMINUM HYDRIDES [Verfahren zur Herstellung von Alkylaluminiumhydriden]. Jan 64 [11p]
Order from RIS $14.00 RIS-96252
Metal Organics Set $200.00

Trans. of German patent appl. Z 2635, Feb 64. (Abstract available)

[Ziegler, Karl].
PROCESS FOR PRODUCING COMPLEX COMPOUNDS OF HYDROCARBON ALUMINUMS AND ALKALI FLUORIDES. [Verfahren zur Herstellung von Komplexverbindungen aus Aluminiumkohlenwasserstoffe und Alkaliflouriden]. Jan 64 [4p]
Order from RIS $7.00 RIS-96258
Metal Organics Set $200.00

Trans. of German patent 925 348, Feb 55. (Abstract available)

Ziegler, Karl.
PROCESS FOR PRODUCING DIALKYLALUMINUM HYDRIDES. Jan 64.
Order from RIS $15.50 RIS-96483
Metal Organics Set $200.00

Trans. of German patent appl. Z 4269, Nov 55. (Abstract available)

Ziegler, Karl.
PROCESS FOR PRODUCING MIXTURES CONTAINING AROMATIC C_8-HYDROCARBONS AND NO m-XYLENE [Verfahren zur Herstellung von m-Xylolfreine, Aromatishe C_8-Kohlenwasserstoffe Enthaltenden Gemischen]. Jan 64 [10p]
Order from RIS $17.50 RIS-96693
Hydrocarbons Set $75.00

Trans. of German patent appl. Z 2648, Dec 56. (Abstract available)

[Ziegler, Karl].
PROCESS FOR PRODUCING SODIUM CYCLOPENTADIENE, SODIUM ALKYL AND SODIUM BENZYL CYCLOPENTADIENES [Verfahren zur Herstellung von Natriumcyclopentadien, Natriumalkyl- und Natriumbenzylcyclopentadiene]. Jan 64 [14p]
Order from RIS $17.50 RIS-96253
Metal Organics Set $200.00

Trans. of German patent appl. Z 2636, Jul 54. (Abstract available)

Ziegler, Karl.
PROCESS FOR PRODUCING TRIALKYLALUMINUMS. Jan 64.
Order from RIS $13.25 RIS-96871
Metal Organics Set $200.00

Trans. of German DAS 1 008 733, May 57, appl. Z 4190 (Abstract available)

Ziegler, Karl.
PROCESS FOR PRODUCTION OF HYDROCARBON ALUMINUMS. Jan 64.
Order from RIS $12.00 RIS-96505
Metal Organics Set $200.00

Trans. of German patent appl. Z 3509, 5 May 55. (Abstract available)

[Ziegler, Karl].
PROCESS FOR PRODUCTION OF HYDROCARBON ALUMINUMS, PARTICULARLY TRIALKYLALUMINUMS, BESIDES CRYOLITE [Verfahren zur Herstellung von Aluminiumkohlenwasserstoffen, Insbesondere Trialkylen, neben Kryolith]. Jan 64 [11p]
Order from RIS $16.50 RIS-96261
Metal Organics Set $200.00

Trans. of German patent 921 450, Nov 54, (Abstract available)

Ziegler, Karl.
PROCESS FOR PRODUCTION OF TRIALKYLALUMINUMS AND ALKYLALUMINUM HYDRIDES [Procédé pour la Préparation d'Aluminium Trialcoyles et Dehydrures d'Aluminum Alcoyles]. Jan 64 [31p]
Order from RIS $34.00 RIS-96373
Metal Organics Set $200.00

Trans. of Belgian patent 535 235, Jan 55. (Abstract available)

[Ziegler, Karl].
PROCESS FOR PRODUCTION OF TRIALKYLALUMINUMS [Verfahren zur Herstellung von Aluminiumtrialkylen]. Jan 64 [7p]
Order from RIS $12.50 RIS-96260
Metal Organics Set $200.00

Trans. of German patent 911 731, Apr 54. (Abstract available)

Ziegler, Karl.
PROCESS FOR PRODUCTION OF VOLATILE POLYMERS OF ETHYLENE. Jan 64.
Order from RIS $12.50 RIS-96853
Polyolefins Set $750.00

Trans. of German patent appl. Z 4357, Nov 57. (Abstract available)

Ziegler, Karl.
PROCESS FOR PURIFICATION OF OLEFINS TO BE POLYMERIZED IN THE PRESENCE OF METAL-ORGANIC CATALYSTS [Procédé pour l'Épuration de Gaz et de Liquides, en Particulier d'Oléfines]. Jan 64 [10p]
Order from RIS $17.00 RIS-96589
Metal Organics Set $200.00

Trans. of Belgian patent 544 829, Jan 56. (Abstract available)

Ziegler, Karl.
NEW METHYLENE COMPOUNDS OF LITHIUM AND MAGNESIUM. Jan 64.
Order from RIS $12.75 RIS-96595
Metal Organics Set $200.00

Trans. of German patent appl. Z 4846, 23 Aug 56. (Abstract available)

Ziegler, Karl.
TWO-STAGE PROCESS FOR PREPARATION OF AZULENES. Jan 64.
Order from RIS $33.00 RIS-96573
Hydrocarbons Set $75.00

Trans. of German patent appl. Z 3614, Nov 55. (Abstract available)

Ziegler, Karl and Gellert, Hans-Georg.
PROCESS FOR THE PREPARATION OF ORGANO ALUMINUM COMPOUNDS. [1964] 17p
Order from OTS, SLA, or ETC $1.60 TT-64-14904

Trans. of German patent application Z 2679 120, 26/03, 13 May 52.

Ziegler, K., Crössmann, F., Kleiner, H., and Schäfer, O.
ALKALI ORGANIC COMPOUNDS. I. REACTIONS BETWEEN UNSATURATED HYDROCARBONS AND ALKALI METAL ALKYLS. [1964] 48p (figs omitted) 35refs
Order from SLA $4.60 TT-64-14926

Trans. of [Justus Liebigs] Annalen der Chemie (Germany) 1929, v. 473, p. 1-35.

Ziegler, K., Grimm, H., and Willer, R.
[ALKALI ORGANIC COMPOUNDS]. XV. CONTROLLER 1,4-POLYMERIZATION OF BUTADIENE. [1964] 48p (figs omitted) 10refs
Order from SLA $4.60 TT-64-14906

Trans. of [Justus Liebigs] Ann[alen der Chemie] (Germany) 1939, v. 542, p. 90-122.

See also TT-64-14896.

Physical Chemistry

Abdullaev, Ya. A.
THE STUDY OF THE EQUILIBRIUM SYSTEMS OF LIQUID CARBON DIOXIDE IN THE PRESENCE OF TECHNICAL GASES (Izuchenie Ravnovesnykh Sistem Zhidkoi Uglekisloty v Prisutsvii Tekhnicheskikh Gazov) J. R. Cahoon, tr. 1960 [15p] (foreign text included) 7refs [NBS] T-8.
Order from OTS, SLA, or ETC $1.60 TT-64-13554

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1939, v. 16, no. 2, p. 37-40.

Akopyan, A.U.
SURTENSION DE RÉDUCTION DE L'OXYGÈNE À LA CATHODE ET ÉNERGIE DE L'ACTIVATION DES PROCESSUS ÉLECTROCHIMIQUES CORRESPONDANTS (Overvoltage of the Cathodic Reduction of Oxygen and Energy of Activation of Corresponding Electrochemical Process). 18p. CNRS-VIII bis 193.
Order from OTS, ETC or CNRS $1.60 TT-62-26663

Trans. in French of Akademiya Nauk Armyanskoi SSR, Erevan. Izvestiya. Khimicheskikh Nauk, 1958, v. 11, no. 3 [p. 141-152].

Balashova, N.A., Ivanov, V.A. and Kazarinov, V.E.
RELATION ENTRE L'ADSORPTION DES CATIONS ET LE PO-TENTIEL DE L'ÉLECTRODE DE PLATINE (Zavisimost' Adsorbtsii Kationov ot Potentsiala Platinovogo Elektroda) (Adsorption of Cations as Dependent on Platinum Electrode Potential). 10p. (foreign text included) 13refs. CNRS-X 512.
Order from OTS, ETC or CNRS $1.10 TT-62-29110

Trans. in French of Akademiya Nauk SSSR. Doklady, 1957, v.115, no.2, p.336-338.

Barskii, G. A. and Zel'dovich, Ya. B.
KINETICS OF CARBON MONOXIDE COMBUSTION [Kinetika Goreniya Okisi Ugleroda]. [1963] 28p (figs omitted) 21refs
Order from OTS, SLA, or ETC $2.60 TT-64-14674

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1951, v. 25 [no. 5] p. 523-537.
Another trans. is available from OTS or SLA $2.60 as TT-60-41495, JPRS-4074, 29 Sep 60, 23p

Benzler, H. and Koch, A. v.
DIAGRAM OF STATE FOR ETHYLENE UP TO 10,000 (METRIC) ATMOSPHERES PRESSURE. [1964] 14p 8refs
Order from SLA $1.60 TT-64-14908

Trans. of Chemie-Ing[enieur]-Techn[ik] (West Germany) 1955, v. 27, no. 2, p. 71-75.
Another trans. is available from K-H $17.50 as K-H-3485-a [1962] 14p.

Bergman, A. G.
THE CHEMISTRY OF MULTICOMPONENT SYSTEMS [Khimiya Mnogokomponentnykh Sistem]. [1963] 14p (figs omitted).
Order from OTS, SLA, or ETC $1.60 TT-64-14139

Trans. of Akademiya Nauk SSSR. Sektor Fiziko-khimicheskogo Analiza. Izvestiya, 1949, v. 19, p. 113-119.
Other translations are available from SLA as RT-2196, 15p and R-02790, 8p.

Blidin, V. P.
A RECIPROCAL SYSTEM OF CHLORIDES AND NITRATES OF RUBIDIUM AND CESIUM. [1963] 13p (figs omitted) 5refs
Order from OTS, SLA, or ETC $1.60 TT-64-14405

Trans. of Akad[emiya] Nauk SSSR. Sektor Fiziko-Khimicheskogo Analiza. Izvestiya, 1953, v. 23, p. 233-240. (Abstract available)

Bogdanov, M. I.
CALCULATION OF DEHYDROGENATION REACTION EQUILIBRIA IN CONVERSIONS OF BUTANE-BUTYLENIC MIXTURES AND OF n-BUTENES TO BUTADIENE-1, 3, PT. 2. [1964] 10p 1ref
Order from OTS, SLA, or ETC $1.10 TT-64-14954

Trans. of Neftekhimiya (USSR) 1963, v. 3 [no. 4] p. 488-493.

Boullé, André and Bouvier d'Yvoire, Ferdinard.
HEAT EVOLUTION OF ALUMINUM PHOSPHATES OF THE GROUP $P_2O_5/Al_2O_3=3$ (Evolution Thermique de Phosphates d'Aluminium du Groupe P_2O_5/Al_2O_3).
[1963] 4p 4refs
Order from SLA $1.10 TT-64-14638

Trans. of [Academie des Sciences, Paris]. Compt[es] Rend[us] (France) 1957, v. 245, p. 531-534 (pub. by Gauthier-Villars et Cie., Paris).

Budnikoff, Peter and Gulinowa, Larissa G.
ON THE DETERMINATION OF ACTIVE SILICA IN PUZZOLANIC MATERIALS. [1963] 4p (figs tables omitted) 2refs
Order from SLA $1.10 TT-64-14242

Partial trans. (p. 100-105) of Kolloid Zeitschrift (Germany) 1935, v. 70, no. 1 [p. 100-135]

Bykovchenko, V. G. and Berezin, I. V.
A STUDY OF THE KINETICS AND MECHANISM OF THE LIQUID-PHASE OXIDATION OF CYCLODODECANE BY MOLECULAR OXYGEN. PT. 4. STUDY OF THE OXIDATION MECHANISM OF CYCLODODECANE BY THE INHIBITION METHOD.
[1964] 8p
Order from ATS $10.65 ATS-66R74R

Trans. of Neftekhimiya (USSR) 1963, v. 3, no. 4, p. 565-571.

See also TT-64-14457

Čuta, F. and Štrafelda, F.
RÉSISTANCE ÉLECTRIQUE, ERREUR SODIQUE, POTENTIEL ASYMÉTRIQUE, FONCTION HYDROGÈNE ET RÉSISTANCE CHIMIQUE DES ÉLECTRODES EN VERRE DE SOKOL ET PASYNSKI (Elektricky Odpor, Sodna Chyba, Asymetricky Potencial, Vodikova Funcke a Chemicka Odolnost Skelnych Elektrod za Skla Sokolova a Pasynskéh) (Electrical Resistance, Sodium Error, Asymmetric Potential, Hydrogen Function and Chemical Resistance of Sokolov-Pasynskii Glass Electrodes). 11p. 5refs. CNRS-VIII bis 460.
Order from OTS, ETC or CNRS $1.60 TT-62-26641

Trans. in French of Chemicke Listy (Czechoslovakia) 1954, v.48, p. 1304-1307.

Davtyan, O.K.
UNE PILE A GAZ AVEC UN ÉLECTROLYTE SOLIDE (Gazovyi Element s Tverdym Elektrolitom) (Gas Cell with a Solid Electrolyte). 12p. (foreign text included) 2refs. CNRS-X 139.
Order from OTS, ETC or CNRS $1.60 TT-62-29118

Trans. in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1946, no.2, p.215-218.
Other translations are available in Dutch from OTS or ETC $1.55 as TT-61-17192, 7p; in English from ATS RJ-464, 4p and from HB $4.75 as HB-2891.

Delimarskii, Yu. K.
THE ELECTRODE POTENTIALS OF METALS IN FUSED SALTS [Elektrodnye Potentsialy Metallov v Rasplavlennykh Solyakh]. [1962] 24p 40refs
Order from OTS, SLA, or ETC $2.60 TT-64-14940

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1955, v. 29, no. 1, p. 28-38.
Other translations are available from SLA as RT-3121 and from K-H $30.00 as K-H-3642 [1962] 24p.

Delimarskyi, Yu. K.
GALVANIC CELLS OF THE DANIELL TYPE IN MOLTEN BROMIDES. [1962] 14p 18refs
Order from OTS, SLA, or ETC $1.60 TT-64-14903

Trans. of Akad[emiya] Nauk URSR [Kiev]. Inst[ytut] Khim[ii]. Zapysky, 1946, v. 8, no. 2, p. 23-31.
Another trans. is available from K-H $17.50 as K-H-3485-d [1962] 14p.

Delimarskii, Yu. K. and Khaimovich, R. S.
THE DETERMINATION OF ELECTRODE POTENTIALS OF METALS IN MOLTEN BROMIDES WITH THE AID OF GLASS-SODIUM ELECTRODES. [1962] 18p 11refs
Order from OTS, SLA, or ETC $1.60 TT-64-14899

Trans. of Ukrain[skii] Khim[icheskii] Zhur[nal] (USSR) 1949, v. 15, p. 340-350.
Another trans. is available from K-H $22.50 as K-H-3485-c [1962] 18p.

Delimarskii, Yu. K., Markov, B. F., and Berenblyum, L. S.
DETERMINATION OF COEFFICIENTS OF DIFFUSION OF IONS IN MOLTEN SALTS. [1963] [15p] (figs omitted) 8refs
Order from OTS, SLA, or ETC $1.60 TT-64-14412

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1953, v. 27, no. 12, p. 1848-1855. (Abstract available)

Diener, Horst.
PROTECTIVE COLLOIDS IN DEEP WELL MUDS: DEMANDS AND LIMITS. Lecture given at the Annual Convention of the German Association for Mineral Oil Science and Coal Chemistry (no. 15) Karlsruhe, 12 Oct 62. [1964] 6p
Order from SLA $1.10 TT-64-14890

Trans. of Erdol u[nd] Kohle[-Erdgas-Petrochemie] (West Germany) 1963, v. 16, no. 8, p. 841-843.

Drossbach, Paul and Petrick, Paul.
CATHODIC LIMITING CURRENTS IN FUSED SALTS (Kathodische Grenzströme in Geschmolzenen Salzen). [1963] [18p] 4refs
Order from SLA $1.60 TT-64-10434

Trans. of Z[eitschrift] für Elektrochem[ie] (West Germany) 1954, v. 58, p. 95-99.
Another trans. is available from SLA as I-140, 18p.

Ershler, B.V. and Byakov, V.M.
DE L'APPLICATION DES ÉQUATIONS DE CINÉTIQUE HOMOGÈNE À LA RADIOLYSE AUX HAUTES INTENSITÉS D'IRRADIATION (O Primenimosti Uravnenii Gomogennoi Kinetiki k Radiolizie Pri Vysokikh Intensivnostyakh Izlucheniya) (The Application of Homogenous Kinetic Equations to Radiolysis at High Radiation Intensities). 8p. (foreign text included) 8 refs. CNRS-VIII bis 842.
Order from OTS, ETC or CNRS $1.10 TT-63-26606

Trans. in French of Akademiya Nauk SSSR. Doklady, 1962, v.144, no.5, p.1103-1104.

Gatti, R., Staricco, E., Sicre, J. E., and Schumacher, H. J.
THE PHOTOCHEMICAL DECOMPOSITION OF F_2O. [1963] 5p 3refs
Order from SLA $1.10 TT-64-10962

Trans. of Zeitschrift für Physikalische Chemie [Frankfurt] (West Germany) 1962 [Neue Folge] v. 35, no. 4/6, p. 343-347.

Gel'bshtein, A. I., Shcheglova, G. G., and Khomenko, A. A.
INVESTIGATIONS IN THE FIELD OF VAPRO-PHASE CATALYTIC CONVERSIONS OF ACETYLENE. PT. 3. KINETICS AND MECHANISM OF THE VAPOR-PHASE HYDROCHLORINATION OF ACETYLENE CATALYZED BY $HgCl_2$, $ZnCl_2$, AND $BiCl_3$. [1964] 12p.
Order from ATS $14.25 ATS-70R74R

Trans. of #Kinetika i Kataliz (USSR) 1963, v. 4, no. 4, p. 625-634.

Gromakov, S. D.
CERTAIN REGULARITIES IN THE FORMATION OF THE TYPE OF PHASE DIAGRAMS OF BINARY SYSTEMS. [1963] [20p] (figs omitted) 13refs
Order from OTS, SLA, or ETC $1.60 TT-64-14661

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1950, v. 24 [no. 6] p. 641-649.
Another trans. is available from OTS or SLA $1.60 as AEC-tr-4523 [1961] 12p.

Imoto, Tatsuya, Harano, Toshiro, and Nishi, Yasuoi.
REDUCTION OF ZINC OXIDE BY HYDROGEN. [1963] 9p (figs refs omitted) 2refs
Order from SLA $1.10 TT-63-20884

Trans. of [Nihon Kagaku Zasshi] (Japan) 1963, v. 84, no. 2 [p. 115-119].(Abstract available)

Ivanov, K. I., Savinova, V. K., and Zhakhovskaya, V. P.
THERMAL STABILITY OF ALKYL HYDROPEROXIDES. [1964] 9p 14refs
Order from OTS, SLA, or ETC $1.10 TT-64-14955

Trans. of Neftekhimiya (USSR) 1963, v. 3, no. 3, p. 352-359.

Jagitsch, Robert.
ON THE REACTION OF ROCK SALT WITH ROASTING GAS. [1964] 19p
Order from K-H $11.40 K-H-1803

Trans. of mono. Festskr[ift] Tillägnad J. Arvid Hedvall [Gothenburg] 1948, p. 308-318.
Another trans. is available from SLA $1.60 as TT-63-14820 [1963] 19p.

Kamzolkin, V. P. and Livshits, V. D.
THE POISONING ACTION OF OIL ON THE ACTIVITY OF AMMONIA CATALYSTS. [1963] 13p (figs omitted) 2refs
Order from OTS, SLA, or ETC $1.60 TT-64-10739

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1937, v. 14, no. 17/18, p. 1225-1229.
Another trans. in Dutch is available from OTS or ETC $1.85 as TT-61-17947, MTWL-311, 17p.

Kamzolkin, V. P., Livshits, V.D., and Kozhenov, K. T.
ON THE REDUCTION OF A CATALYST FOR THE SYNTHESIS OF AMMONIA: EXPERIMENT IN OPERATING TOWER NO. 5 AT THE BAREZNIKOVSKY CHEMICAL COMBINE. [1963] 6p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-10740

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1935 [v. 12] no. 7, p. 687-690.

Kaplan, S. I., Grishin, N. A., and Skvortsova, A. A.
EQUILIBRIUM IN SOLUTIONS. II. THE BOILING TEMPERATURE UNDER ATMOSPHERIC PRESSURE AND THE COMPOSITION OF THE VAPOR OF BINARY MIXTURES OF DICHLOROETHANE WITH ETHYLENE CHLORHYDRIN AND DICHLOROETHANE WITH ETHYLENE OXIDE. [1964] 10p
Order from K-H $6.00 K-H-1092

Trans. of Zhurnal Obshchei Khimii (USSR) 1937, v. 7, p. 538-544.
Another trans. is available in Dutch from OTS or ETC $1.85 as TT-61-17747, MTWL-102, 11p.

Karkosz, R.
THE EFFECT OF THE CONTENT AND NATURE OF MINERAL SUBSTANCE OF COAL ON THE VALUE OF SAPOZHNIKOV'S PLASTOMETRIC PARAMETERS [Wplyw Zawartosci i Charakter Substancji Mineralnej Wegla na Wielkosc Parametrow Plastometrycznych Sapoznikowa] D. Brzostowka, tr. 1963, 7p 4refs PL-480 Int.
Order from OTS $1.50 in TT-61-11350 (p. 136-142)

Trans. of [Przeglad Gorniczy] (Poland) 1958 [v. 14, no. 9] p. 21-24.

Kavalerova, E. V., Golubev, V. B., Evdokimov, V. B.
ELECTRON SPIN RESONANCE OF COPPER ACETYLACETONATE ADSORBED ON ALUMINOSILICATES. [1964] 4p 7refs
Order from OTS, SLA, or ETC $1.10 TT-64-14892

Trans. of #Zhurnal Fizicheskoi Khimii (USSR) 1963, v. 37, no. 1, p. 226-227.

Kawasaki, M. and Yasumori, A.
CORROSION DE LA PLAQUE DE ZINC UTILISÉE DANS LES PILES SÈCHES (On the Corrosion of Zinc Plates for Dry Cells). 21p. CNRS-VIII bis 284.
Order from OTS, ETC or CNRS $2.60 TT-62-26714

Trans. in French of Denki Kagaku (Japan) 1954, v.22, no.11, p.597-604.

Kazanskii, K. S., Entelis, S. G., and Chirkov, N. M
SOLUBILITY OF GASEOUS ISOBUTYLENE IN WATER (Rastvorimost' Gazoobraznogo Isobutilena v Bode) V. N. Pavloff, tr. 1964, 9p 15refs NRC Technical Trans. 1110.
Order from NRC $0.50 NRC C-4770

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1959, v. 33, no. 6, p. 1409-1414.
Another trans. is available from ATS $8.95 as ATS-97P64R [1962] 6p.

Kelimarskii, Yu. K., Berenblyum, L. S., and Sheiko, I. N.
DETERMINATION OF SINGLE ELECTRODE POTENTIALS IN FUSED ALUMINUM CHLORIDE-SODIUM CHLORIDE AS SOLVENT [Opredelenie Otdel'nykh Elektrodynkh Potentsyalov v Rasplavlennykh Kloristom Aluminii-Khloristom Natrii kak Rastvoritele]. [1963] [10p] (figs omitted) 12refs
Order from OTS, SLA, or ETC $1.10 TT-64-14138

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1951, v. 25 [no. 4] p. 398-403.

Kharitonov, V. M. and Morgun, L. A.
METHODS OF DEFINING THE PROPERTIES OF TITANIUM DIOXIDE SUSPENSIONS. [1964] 8p 2refs
Order from OTS, SLA, or ETC $1.10 TT-64-14809

Trans. of Khim[icheskie] Volokna (USSR) 1962, no. 2, p. 20-23.

Kijewska, A.
ELABORATION OF A METHOD OF MEASUREMENT OF THE CARBONIZATION HEAT OF COALS. 1963, 16p 10refs PL-480 Int.
Order from OTS $0.50 in TT-61-31319 (p. 26-41)

Trans. of Prace Instytutow Hutniczych (Poland) 1959, v. 11, p. 229-234. (Abstract available)

Kil'man, Ya. I.
STABILIZATION OF THE THERMAL DECOMPOSITION OF HIGH-CONCENTRATION AMMONIUM NITRATE MELTS. [1963] [8p] 20refs [BM Trans. no. 2248]
Order from OTS, SLA, or ETC $1.10 TT-64-13714

Trans. of Khimicheskaya Promyshlennost' (USSR) 1962, no. 1, p. 66-69. (Abstract available)

Kordes, Ernst.
DEPRESSION OF FREEZING POINT IN DISSOCIATING SOLVENTS, PARTICULARLY IN ELECTROLYTES. [1963] 6p
Order from SLA $1.10 TT-64-14387

Trans. of Forschungen und Fortschritte (East Germany) 1950, v. 26, sonderheft no. 2, p. 21-22.

Kowalski, J.
EXPERIMENTS WITH LOW-TEMPERATURE CARBONIZATION PROCESS, PT. I. 1963, 11p 18refs PL-480 Int.
Order from OTS $0.50 in TT-61-31319 (p. 1-11)

Trans. of Koks, Smola, Gaz (Poland) 1957 [v. 2] no. 1, p. 12-16.

Kuzin, I. A., Semushin, A. M., and Taushkanov, V. P.
EFFECT OF Co^{60} γ-RADIATION ON THE ION-EXCHANGE PROPERTIES OF OXIDIZED CARBONS. [1964] 6p 7refs
Order from OTS, SLA, or ETC $1.10 TT-64-14889

Trans. of #Zh[urnal] Prikiad[noi] Khim[ii] (USSR) 1963, v. 36, no. 4, p. 914-917.

Leonov, Yu. S.
INVESTIGATION OF THE REACTION BETWEEN ZINC OXIDE AND BORIC ACID ANHYDRIDE UNDER APPLICATION OF THE OBSERVATION OF LUMINESCENCE (Izuchenie Reaktsii Mezhdu Okist'yu Tsinka i Bornym Angidridom s Ispol'zovaniem Nablyudenii Lyuminestsentsii). [1963] [29p] (foreign text included) 7refs
Order from OTS, SLA, or ETC $2.60 TT-64-14064

Trans. of Zhurnal Neorganicheskoi Khimii (USSR) 1958, v. 3, no. 5, p. 1245-1253. (Abstract available)

Maizus, Z. K. and Emanuel, N. M.
COLD FLAME MIXTURES OF ACETALDEHYDE AND OXYGEN IN THE PRESENCE OF HBr. [1964] [5p] 5refs
Order from OTS, SLA, or ETC $1.10 TT-64-14898

Trans. of Akademiya Nauk SSSR. Doklady, 1955, v. 100, no. 1, p. 115-118.

Malinin, Yu. S.
DETERMINATION OF SPECIFIC SURFACE BY B. V. DERYAGIN'S METHOD. [1963] 5p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-10174

Trans. of Tsement (USSR) 1957, v. 23, no. 6, p. 19-2

Mizuno, S. and Toshima, S.
THE ELECTROLYSIS OF BRINE WATER WITH A MERCURY JET CATHODE. [1963] [20p]
Order from SLA $1.60 TT-64-14360

Trans. of Denki Kagaku (Japan) 1959, v. 27, p. 391-394 (Abstract available)

Mori, Kazumi and Matsushita, Yukio.
THE ELECTRICAL CONDUCTIVITY OF MOLTEN BINARY SLAGS. [1963] [6p] (figs tables omitted)
Order from SLA $1.10 TT-64-14385

Partial trans. (excerpts) of Tetsu to Hagane (Japan) 1952, v. 38, no. 5, p. 283-288.
Another trans. is available from SLA as I-418, 5p.

Mori, Kazumi and Matsushita, Yukio.
ELECTRICAL CONDUCTIVITY OF MOLTEN $CaO-Al_2O_3$ SLAG (EXPERIMENTAL PROCEDURE AN SUMMARY [1963] 4p
Order from SLA $1.10 TT-64-1438

Partial trans. of Tetsu to Hagane (Japan) 1952, v. 38, p. 531-536.
Another trans. is available from SLA as I-419, 4p.

Noguchi, T.
A STUDY OF THE MECHANISM OF ALUMINUM ELECTROLYSIS. REPT. I. THE INFLUENCE OF METALLIC ALUMINUM ON THE SOLIDIFICATION O A MOLTEN CRYOLITE-ALUMINA SYSTEM. [1963] [6p] (preface figs tables omitted)
Order from SLA $1.10 TT-64-1438

Trans. of [Denki Kagaku] (Japan) 1947, v. 15, p. 39-42
Another trans. is available from SLA as I-448, 6p

Noguchi, T.
A STUDY OF THE MECHANISM OF ALUMINUM ELECTROLYSIS. REPT. 2. SOLUBILITY OF ALUMINUM IN CRYOLITE. [1963] 3p
Order from SLA $1.10 TT-64-1438

Condensed trans. of [Denki Kagaku] (Japan) 1947, v. 15, p. 72-74.
Another trans. is available from SLA as I-449, 3p.

(See also TT-64-14388)

Pugachevich, P. P.
EXPERIMENTAL STUDY OF THE SURFACE TENSION OF METALLIC SOLUTIONS. I. TEMPERATURE DEPENDENCE OF THE SURFACE TENSION OF MERCURY AND OF SODIUM-AND POTASSIUM AMALGAMS [Eksperimental'noe Izuchenie Poverkhnostnogo Natyazheniya Metallicheskikh Rastvorov. I. Temperaturnaya Zavisimost' Poverkhnostnogo Natyazheniya Rtuti, Amal'gam Natriya i Kaliya]. [1963] 16p (figs omitted) 12refs
Order from OTS, SLA, or ETC $1.60 TT-64-14143

Trans. of [Zhurnal Fizicheskoi Khimii (USSR) 1951, v. 25 [no. 11] p. 1365-1373.
Another trans. is available from SLA as RT-2181, 22p.

Ravich, G. B., Egorov, B. N., and Krilov, B. G.
INVESTIGATION OF POLYMORPHISM OF HIGHER MONOACIDS OF TRIGLYCERINES BY MEANS OF VOLUMETRIC MICRODILATOMETER WITH AUTOMATIC REGISTRATION. [1963] 11p 13refs
Order from OTS, SLA, or ETC $1.60 TT-64-15124

Trans. of #Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1963 [no. 3] p. 481-487.

Riedel, L.
NEW METHOD FOR ESTIMATING UNKNOWN CRITICAL PRESSURES OF ORGANIC COMPOUNDS. [1963] 22p (tables omitted) 6refs
Order from SLA $2.60 TT-64-14407

Trans. of Z[eitschrift für] Elektrochem[ie] (West Germany) 1949, v. 53, no. 4, p. 222-228. (Abstract available)
Another trans. is available from SLA as no. 2036.

Riedel, Leonhard.
THERMAL CONDUCTIVITY MEASUREMENTS ON LIQUIDS. Dissertation presented to Technische Hochschule, Karlsruhe. [1963] 83p (figs omitted)
Order from SLA $8.60 TT-64-14402

Trans. of [Technische Hochschule, Karlsruhe. Kältetechnisches Institute. Mitteilungen] (West Germany) no. 2, 1948 [45p]. (Abstract available)
Another trans. is available from SLA as 02035, 82p

Sakai, Kaoru.
PHYSICO-CHEMICAL PROPERTIES OF FUSED SALTS I. ELECTRIC CONDUCTIVITY OF SIMPLE SALTS. [1963] 15p (figs omitted) 22refs
Order from SLA $1.60 TT-64-14395

Trans. of [Nihon Kagaku Zasshi] (Japan) 1954, v. 75, p. 182-185.
Another trans. is available from SLA in I-580, AEC-tr-2069, 24p.

Schildknecht, H.
NORMAL SOLIDIFICATION, ZONE MELTING, AND COLUMN CRYSTALLIZATION: NEW METHODS OF FRACTIONAL CRYSTALLIZATION FROM THE MELT [1964] 30p 23refs
Order from SLA $2.60 TT-64-14960

Trans. of Z[eitschrift für] Analyt[ische] Chem[ie] (West Germany) 1961, v. 181, no. 1, p. 254-274.

Shcherbakov, A. A. and Markov, B. F.
STUDY OF ELECTRICAL CONDUCTIVITY OF MOLTEN CARNALLITE [Izuchenie Elektroprovodnosti Rasplavlennogo Karnallita]. [1963] 18p (figs tables omitted) 16refs
Order from OTS, SLA, or ETC $1.60 TT-64-14374

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1939, v. 13, no. 5, p. 621-630.
Another trans. is available from SLA as RT-2288, 25p.

Shimonaev, G. S. and Rozhkov, I. V.
LIQUID-PHASE OXIDATION OF HYDROCARBONS IN THE PRESENCE OF ETHYL FLUID [1964] 7p (figs omitted) 11refs
Order from OTS, SLA, or ETC $1.10 TT-64-14936

Trans. of Zhur[nal] Fiz[icheskoi] Khim[ii] (USSR) 1955, v. 29, no. 5, p. 791-796.

Shishido, S.
ELECTROLYTIC CONDUCTION OF FUSED SALTS. VI. LINDEMANN'S RULE OF MELTING (DISCUSSION AND CONCLUSIONS). [1963] 3p
Order from SLA $1.10 TT-64-14383

Partial trans. of [Nihon Kagaku Zasshi] (Japan) 1942, v. 63, p. 1738-1742.
Another trans. is available from SLA as I-652, 3p.

(See also TT-64-10139)

Shushunov, V. A. and Baryshnikov, Yu. N.
KINETICS OF REACTION OF Na+Pb AND K+Na+Pb ALLOYS WITH ETHYL CHLORIDE VAPORS. [1963] 23p (figs omitted) 6refs
Order from OTS, SLA, or ETC $2.60 TT-64-14698

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1953, v. 27, no. 6, p. 830-839.

Sklyarenko, S. I. and Krauze, L. E.
ELECTRICAL CONDUCTIVITY AND SPECIFIC GRAVITY OF THE SYSTEM OF FUSED SALTS $Na_4P_2O_7$-Na Cl [Elektroprovodnost' i Udel'nyi ves Sistemy Rasplavlennykh Solei $Na_4P_2O_7$-NaCl]. [1963] 18p (figs omitted) 14refs
Order from OTS, SLA, or ETC $1.60 TT-64-14147

Trans. of [Zhurnal Fizicheskoi Khimii] (USSR) 1939, v. 13 [no. 9] p. 1315-1321.
Another trans. is available from SLA as RT-2182, 22p.

Skwarski, T[haddeus].
INVESTIGATIONS OF THE KINETICS OF THE POLYCONDENSATION OF DIMETHYLESTERTEREPHTHALATE WITH ETHYLENEGLYCOL, I. [1963] 20p (figs tables formulae omitted) 18 refs
Order from SLA $1.60 TT-63-20866

Trans. of Chemia (Poland) 1956, v. 4, no. 12 [p. 41-65]. Another trans. is available from SLA mi$3.00, ph$6.30 as TT-59-15465 [1959] [32p].

Sokolov, N.D.
SUR LA NATURE DE LA LIAISON HYDROGÈNE (On the Nature of the Hydrogen Bond). 10p. 9refs. CNRS-VIII bis 406.
Order from OTS, ETC or CNRS $1.10 TT-62-26626

Trans. in French of Akademiya Nauk SSSR. Doklady, 1947, v.58, no.4, p.611-614.

Staricco, E. H., Sicre, J. E., and Schumacher, H. J.
KINETICS OF THE PHOTOCHEMICAL REACTION BETWEEN SULFUR TRIOXIDE AND FLUORINE. [1963] 7p 2refs
Order from SLA $1.10 TT-64-10959

Trans. of Zeitschrift für Physikalische Chemie [Frankfurt] (West Germany) 1962 [Neue Folge] v. 35, no. 1/3 p. 122-128.

Suzuki, S., Saito, S., and Inoue, Y.
HOT ATOM CHEMISTRY OF As^{76} BY THE USE OF ZIRCONIUM PHENYLARSONATE. [1963] [6p] (figs omitted) 8refs
Order from SLA $1.10 TT-64-14808

Condensed trans. of [Nihon Kagaku Zasshi] (Japan) 1962, v. 83, no. 9, p. 1023-1026.

Takahashi, T., Sakurai, M. and Sasaki, K.
ÉTUDES SUR ÉLECTROLYTES DE PILES SÈCHES. II. SOLUBILITÉ DE Zn (NH3)2 Cl2 (Studies on Electrolytes for Dry Cells. II. The Solubility of Zn (NH3)2 Cl2). 14p. (foreign text included) 4refs. CNRS-VIII bis 283.
Order from OTS, ETC or CNRS $1.60 TT-62-26715

Trans. in French of Denki Kagaku (Japan) 1954, v.22, no.11, p.593-597.

Tamba, Katsufuji and Maekawa.
ÉTUDE SUR LE PROCESSUS DE RÉDUCTION DU BISULFURE DE FER (Study on the Reduction Process of Iron Disulfide). 9p. 7 refs. CNRS-VIII bis 218.
Order from OTS, ETC or CNRS $1.10 TT-62-26707

Trans. in French of unidentified Japanese language article, n.d.

Taschner, E. and Liberek, B.
METHOD OF SELECTIVE FISSION OF ESTER AND N-CARBO-METHOXY GROUPS BY LITHIUM HALIDES. Jan 64, 530words
Order from LSA $10.85

Trans. of Roczniki Chemii (Poland) 1956, v. 30, p. 323-325.

Titkov, V. A. and Pletnev, I. D.
ON THE RELATION BETWEEN STRUCTURE AND PHOTOACTIVITY OF ANTHRAQUINONE VAT-DYES. [1964] 8p 8refs
Order from OTS, SLA, or ETC $1.10 TT-64-14887

Trans. of #Zh[urnal] Priklad[noi] Khim[ii] (USSR) 1963, v. 36, no. 5, p. 1116-1123.

Topchieva, K. V. and Rosol'skaya, E. N.
EFFECT OF DEHYDRATION OF ALUMINOSILICATE CATALYST ON ITS ACIDITY. [1964] 9p 14refs
Order from OTS, SLA, or ETC $1.10 TT-64-14945

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 3] p. 298-304.

Usachev, P. V.
ON THE MECHANISM OF THE CATALYTIC SYNTHESIS OF AMMONIA. [1963] 9p (tables omitted) 10refs
Order from OTS, SLA, or ETC $1.10 TT-64-10742

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1940, v. 14, no. 9/10, p. 1246-1249.
Another trans. in Dutch is available from OTS or ETC $1.55 as TT-61-17962, MTWL-308, 8p.

Vobecky, M.
CHALEUR DE DILUTION ET CHALEUR DE MÉLANGE DES ACIDES DE MÉLANGES DE NITRATION. APPLICATION (Heat of Dilution and Heat of Mixing of Mixtures of Acids for Nitration. Application). 14p. 9refs. CNRS-VIII bis 464.
Order from OTS, ETC or CNRS $1.60 TT-62-26642

Trans. in French of Chemicky Prumysl (Czechoslovakia) 1956 [v. 6(31)] no. 12, n.p.

Volkov, V. L. and Mazyukevich, I. V.
DEPENDENCE OF THE BASIC FACTORS IN THE PROCESS OF THE SYNTHESIS OF AMMONIA ON THE VOLUMETRIC VELOCITY. [1963] 18p (figs omitted)
Order from OTS, SLA, or ETC $1.60 TT-64-10738

Trans. of [Khimicheskaya Promyshlennost'] (USSR) 1939, v. 16, no. 2, p. 31-37.

EARTH SCIENCES

EAST EUROPEAN SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 16. 6 Apr 64, 8p JPRS: 24034.
Order from OTS $0.50 TT-64-21984

Consists of abstracts of articles from selected scientific and technical journals of Bulgaria, Czechoslovakia, East Germany, and Rumania.

TELLURIC BAYS AND DISTURBANCES. 6 Apr 64, 20p 7refs JPRS: 24049; N64-17833.
Order from OTS $0.75 TT-64-21993

Trans. from Geologiya i Geofizika (USSR) 1963, no. 12.

Alekhin, Yu. M.
SHORT-RANGE FORECASTING OF LOWLAND-RIVER RUNOFF Yehoshua Prushansky, tr. 1964, 229p 191refs PL-480 Comm.
Order from OTS $2.50 TT-61-11468

Trans. of mono. Kratkosrochnye Prognozy Stoka na Ravninnykh Rekakh, Leningrad, 1956 [266p].

Svadkovskii, E. G.
THE SETTLEMENT OF PEAT AND THE DECREASE IN DEPTH OF DRAINAGE CHANNELS IN BOGS (Osadka Torfa i Umen'shenie Glubiny Osushitel'nykh Kanalov na Bolotakh) V. McEachran, tr. Nov 63 [4p] Library Communication no. 1196.
Order from OTS, SLA, or ETC $1.10 TT-64-13759

Trans. of Vsesoyuznaya Akademiya S[el'sko]kh[ozyaistvennykh] Nauk. Doklady (USSR) 1939 [v. 4] no. 23/24, p. 56-59.

Troitskaya, V. A.
RAPID PULSATIONS OF THE EARTH'S ELECTROMAGNETIC FIELD AND PROCESSES IN THE UPPER ATMOSPHERE. 8 Apr 64, 7p JPRS: 24085.
Order from OTS $0.50 TT-64-31014

Trans. of Akademiya Nauk SSSR. Vestnik, 1964, [v. 34] no. 1, p. 22-25.

Climatology and Meteorology

Galvoronskii, I. I.
STUDIES CONDUCTED AT THE CENTRAL AEROLOGICAL OBSERVATORY ON THE ARTIFICIAL MODIFICATION OF CLOUDS AND FOGS (Ob Issledovaniyakh, Provedennykh v Tsentral'noi Aerologicheskoi Observatorii v Oblasti Iskusstvennykh Vozdeistvii na Oblaka i Tumany)
Robert Magruder, tr. Mar 63 [29p] 26refs AmMetSoc T-R-401+.
Contract AF19(604)6113
Order from OTS, SLA, or ETC $2.60 TT-63-24427

Trans. of Tsentral'naya Aerologicheskaya Observatoriya. Trudy (USSR) 1959, no. 26, p. 39-55.
Another trans. is available from OTS or SLA $2.60 as TT-62-23273, Jan 62 [21p].

Kravchenko, I. V.
METEOROLOGY AND THE PILOT. 5 Dec 63 [399p] FTD-TT-63-620.
Order from OTS, SLA, or ETC $21.00 TT-64-13929

Unedited rough draft trans. of mono. Letchiku o Meteorologii, Moscow, 1962, 313p. (Abstract available)

Geodesy

RECENT SOVIET PROGRESS IN MAGNETO-TELLURIC METHODS. 6 Mar 64, 42p 33refs JPRS: 23548.
Order from OTS $1.25 TT-64-21726

Trans. of 7 articles from mono. Elektromagnitnoe Zondirovanie i Magnito-Tellurgicheskie Metody Razredki (Materialy Vsesoyuznoi Konferentsii, Apr 61) (Electromagnetic Sounding and Magneto-Telluric Methods of Prospecting. Materials of the All Union Conference, Apr 61) Leningrad, 1963.

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Order from OTS, SLA, or ETC $1.60 TT-64-15170

Trans. of Tsentral'nyi Nauchno-Issledovatel'skii Institut Geodezii, Aeros"emki i Kartografii. Trudy (USSR) 1961, v. 138 [p. 1-11].

Bulanzhe, Yu. D.
PRELIMINARY RESULTS OF DETERMINING THE FIRST-ORDER GRAVIMETRIC POINT IN THE VILLAGE OF OBI-GARM (Predvaritel'nye Rezul'taty Opredeleniya Gravimetricheskogo Punkta Pervogo Klassa v Selenii Obi-Garm)
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Trans. of Akademiya Nauk SSSR. Geofizicheskii Institut. Trudy, 1949, no. 5(132) p. 94-99.
Another trans. is available from OTS, SLA, or ETC $17.50 in TT-62-33416, ACIC-G-17 [1962] [277p].

Grushinskii, N. P. and Sazhina, N. B.
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Trans. of Moscow U. [Vestnik. Seriya Matematiki, Mekhanika, Astronomii, Fiziki, Khimii] (USSR) 1959 [v. 14] no. 2, p. 61-68.
Another trans. is available from OTS or SLA $1.60 as TT-63-10143 [1962] [13p]

Khristov, V. K.
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Order from OTS, SLA, or ETC $1.60 TT-64-15158

Trans. of Geodeziya i Kartografiya (USSR) 1961, no. 6, p. 70-77.

Kuzivanov, V. A. and Sagitov, M. U.
IMPOSSIBILITY OF DETERMINING GEOID'S FIGURE WHEN INFORMATION IS CONFINED TO GRAVIMETRIC AND GEODETIC DATA ONLY
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Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Geodeziya i Aerofotos"emka (USSR) 1960, no. 2, p. 89-93.

Lariorov, V. A.
UTILIZATION OF SPECIAL POINTS IN ANOMALOUS PROFILES FOR INTERPRETATIONS OF VERTICAL MAGNETIC MEASUREMENT: BRIEF AND PRELIMINARY INFORMATIONS (Kratkie i Predvaritelnye Soobshcheniya: Ispolzovanie Osobykh Tochek Anomalnykh Profiley za dlya Interpretatsii Povysotnykh Ismerenii Magnitnogo Polya)
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Trans. of [Geologiya i Geofizika] (USSR) 1961, no. 7, p. 96-98.

Petrov, L. V.
ELIMINATION OF THE REGIONAL GRAVITY FIELD IN THE REGION OF THE UKRAINIAN SALT-BEARING STRUCTURES
H. Tomas, tr. Oct 61 [17p] 3refs ACIC TC-395.
Order from OTS, SLA, or ETC $1.60 TT-64-15167

Trans. of article from an unidentified Russian Source, nd.

Popov, N. A.
RESULTS OF GRAVIMETRIC EXPEDITION IN THE REGION POLTAVA-AKHTYRKA
A. Philips, tr. Oct 61 [4p] ACIC TC-386.
Order from OTS, SLA, or ETC $1.10 TT-64-15157

Trans. from Razvedka [i Okhrana] Nedr (USSR) 1939, no. 10/11.

Zimovnov, Vsevolod Nikolaevich and Kemnits, Yu. V.
METHOD OF LEAST SQUARES IN APPLICATION TO MEASUREMENTS, ACCOMPANIED BY CONSTANT ERRORS.
H. Tomas, tr. Jun 62 [83p] 13refs ACIC TC-502.
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Trans. of mono. Sposob Naimen' Shikh Kvadratov v Prilozhenii k Ismereniyam, Soprovozhdayushchimsya Postoyannymi Pogreshnostyami, Moscow, 1960, p. 1-59.

Geography

SOVIET GEOGRAPHY: REVIEW AND TRANSLATION, VOL. 4, NO. 10. Dec 63, 74p
Order from AGS $1.00, $6.00/year

Trans. of Geografiya i Khozyaistvo (USSR) 1963, no. 12, p. 67-87; and partial trans. (excerpts) from mono. Metodologicheskie Voprosy Ekonomicheskii Geografii (Methodological Problems in Economic Geography) Moscow, 1962, 280p (ed. by P. M. Alampiev and Ya. G. Feigin).

Separate entries have been prepared for the individual journal articles.

Gorizontov, B. and Zubkov, A.
THE LAND OF A PROMISING FUTURE
D. Shalikashvili and others, trs. Jan 64 [137p] ACIC-TC-753.
Order from OTS, SLA, or ETC $10.50 TT-64-15190

Trans. of mono. V. Krayu Bol'shogo Budushchego, Moscow, 1961, 186p.

Konovalenko, V. G.
ABOUT S. V. KALESNIK'S ARTICLE ON "MONISM" AND "DUALISM" IN SOVIET GEOGRAPHY. Dec 63, 16p refs
Order from AGS $1.00 in Soviet Geography: Review and Translation, v. 4, no. 10 (p. 19-34)

Trans. of Geografiya i Khozyaistvo (USSR) 1963, no. 12, p. 78-87. (Abstract available)

Leonov, N. and Ratsek, V.
ACROSS THE ALAI MOUNTAIN RANGE
D. Shalikashvili and others, trs. Jan 64 [145p] ACIC-TC-754.
Order from OTS, SLA, or ETC $11.00 TT-64-15191

Trans. of mono. Po Alayu, Tashkent, 1962, 135p.

Preobrazhenskii, V. S., Fadeeva, N. V., Mukhina, L. I., and Tomilov, G. M.
TYPES OF TERRAIN AND NATURAL ZONING OF THE BURYATSKAYA ASSR: CHARACTERISTICS OF TYPES OF TERRAIN. T. F. McC., tr. 18 Nov 63, 35p (figs omitted) 1ref I-2993-B.
Order from OTS, SLA, or ETC $3.60 TT-64-13311

Trans. of mono. Tipy Mestnosti i Prirodnoe Rayonirovanie Buryatskoi ASSR, Moscow, 1959, p. 49-82.

Sarantsev, P. L.
GEOGRAPHY OF COMMUNICATIONS IN THE USSR, 2D ED., CHAP. 9
W. Burton and others, trs. Jan 64 [126p] ACIC TC-751.
Order from OTS, SLA, or ETC $10.10 TT-64-15194

Trans. of mono. Geografiya Putei Soobshcheniya SSSR, 2d ed., Moscow, 1962, p. 97-181.

Geology

INTERNATIONAL GEOLOGY REVIEW, VOL. 5, NO. 11, P. 1403-1560. Nov 63, 1v.
Order from AGI $5.00, $55.00/year

Trans. of mono. Geokhim[ii] Stepei i Pustyn', Poiski Poleznykh Iskopaemykh, Moscow, 1962, p. 6-32; Akademiya Nauk Armyanskoi SSR [Erevan]. Izvestiya. [Geologicheskie i Geograficheskie Nauki] 1962 [v. 15] no. 1, p. 3-15; Akademiya Nauk SSSR. Okeanograficheskaya Komissiya. Trudy, 1961, v. 8, p. 129-135; Sovet[skaya] Geol[ogiya] (USSR) 1962 [v. 5] no. 5, p. 104-112, 114-130; Paleont[ologicheskii] Zh[urnal] (USSR) 1962, no. 1, p. 3-18, 31-40, 58-65, 105-110, 157-158, 166-168, 173-174.
Separate entries have been prepared for the individual articles.

Artamonova, S. V. and Medvedeva, A. M.
METHODS OF EXTRACTING SPORES AND POLLEN FROM OILS AND THE WATERS OF OIL DEPOSITS (Metodika Vydeleniya Spor i Pyl'tsy iz Neftei i Vod Neftyanykh Mestorozhdenii). Nov 63, 2p 4refs
Order from AGI $5.00 in International Geology Review, v. 5, no. 11, p. 1510-1511

Trans. of Paleont[ologicheskii] Zh[urnal] (USSR) 1962, no. 1, p. 157-158 (Abstract available)

Balavadze, B. K. and Tvaltvadze, G. K.
STRUCTURE OF THE EARTH'S CRUST OF THE TRANSCAUCASIAN-CASPIAN DEPRESSION ACCORDING TO GEOPHYSICAL DATA (Stroenie Zemnoi Kory Zakavkazsko-Kaspiiskoi Vpadiny po Geofizicheskim Dannym)
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Order from OTS, SLA, or ETC $1.60 TT-64-15183

Trans. of mono. Doklady Sovetskikh Geologov [Problema 17] (Mezhdunarodnyi Geologicheskii Kongress (no. 21) [Copenhagen, 15-25 Aug] 60). 1960, p. 82-89.

Bel'kova, L. N. and Ognev, V. N.
ON STRATIGRAPHY AND TECTONICS OF ANCIENT SERIES OF THE KIRGIZSKII RIDGE
Ivan Mittin, tr. 1963 [19p]
Order from OTS, SLA, or ETC $1.60 TT-64-15099

Trans. of mono. K Stratigrafii i Tektonike Drevnikh Tolshch Kirgizskogo Khrebta, Leningrad, 1961, p. 55-61.

Berdichevskii, M. N. and Zagarmistr, A. M.
INTERPRETATION OF BILATERAL ELECTRIC SOUNDINGS OBTAINED WITH DIPOLE DEVICES.
[1963] [37p] 25refs
Order from OTS, SLA, or ETC $3.60 TT-63-20720

Trans. of Prikladnaya Geofizika (USSR) 1958, no. 19, p. 57-108. (previously announced as TT-63-20620)

Bogoslovskii, B. I.
RARE TYPES OF SCULPTURAL ORNAMENTATION IN CLYMENIAS (Redkii Tip Skul'ptury u Klimenii).
Nov 63, 3p 1ref
Order from AGI $5.00 in International Geology Review, v. 5, no. 11, p. 1512-1514

Trans. of Paleont[ologicheskii] Zh[urnal] (USSR) 1962, no. 1, p. 166-168.

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CONVERGENCES IN TABULATE CORALS OF THE GENERA LIOPORA AND NYCTOPORA FROM THE UPPER ORDOVICIAN DEPOSITS OF THE TARBAGATAI RANGE (O Konvergentsii u Tabulyat Rodov Liopora i Nyctopora iz Verkhnego Ordovika Khrebta Tarbagatai).
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Order from AGI $5.00 in International Geology Review, v. 5, no. 11, p. 1501-1509

Trans. of Paleont[ologicheskii] Zh[urnal] (USSR) 1962, no. 1, p. 58-[65].

Bykova, M. S. Kazanli, D. N.
RELATIONSHIP BETWEEN THE STRUCTURE OF GRAVIMETRIC FIELD IN THE CENTRAL KAZAKHSTAN AND THE REGIONS OF THE EARLY HERCYNIAN LITHOLOGIC FACIES (Svyaz' Struktury Gravimetricheskogo Polya Tsentral'nogo Kazakhstana s Rannegertsinskimi Litologo-Fatsial'nymi Oblastyami)
Andrew N. Philips, tr. Oct 63 [58p] (figs omitted) 37refs ACIC TC-696.
Order from OTS, SLA, or ETC $5.60 TT-64-13366

Trans. of Akademiya Nauk Kazakhskoi SSR [Alma-ata]. Izvestiya. Seriya Geologicheskaya [1957] no. 2(27) [p. 57-93].

Chudinov, P. K.
FOREIGN PALEONTOLOGISTS VISIT THE USSR DURING 1961 (Zarubezhnye Paleontologi, Posetivshie SSSR). Nov 63, 2p
Order from AGI $5.00 in International Geology Review, v. 5, no. 11, p. 1515-1516

Trans. of Paleont[ologicheskii] Zh[urnal] (USSR) 1962, no. 1, p. 173-174.

Fail, J. P. and Grau, G.
FAN FILTERS. Presented at the European Association of Exploration Geophysicists, Meeting (no. 23) Wiesbaden, 12-14 Dec 62. [37p] 4refs
Order from SLA $3.60 TT-64-10970

Trans. of Geophysical Prospecting (Netherlands) 1963, v. 11, no. 2, p. 131-163. (Abstract available)

Frolova, E.K.
MAGNESITA EN LOS DEPOSITOS DEL PERMICO INFERIOR EN LAS REGIONES TRANSVOLGUICAS DE KUIBISHEVSK Y SARATOVA (Magnesit v Nizhnepermskikh Otlozheniyakh Kuibyshevskogo i Saratovskogo Zavolzhya) (Magnesite in Lower Permian Deposits of the Transvolgian Regions of Kuibishevsk and Saratova). 17p. 4refs. CID:63-371.
Order from OTS, ETC or CID $1.60 TT-63-26771

Trans. in Spanish of Akademiya Nauk SSSR. Izvestiya. Seriya Geologicheskaya, 1955 [v. 20] no. 4, p. 89-96.

Glazovskaya, M. A.
ON GEOCHEMICAL PRINCIPLES OF THE CLASSIFICATION OF NATURAL LANDSCAPES (O Geokhimicheskikh Printsipakh Klassifikatsii Prirodnykh Landshaftov).
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Order from AGI $5.00 in International Geology Review, v. 5, no. 11, p. 1403-1431

Trans. of [Voprosy Geografii] (USSR) 1962 [v. 59] p. 6-52.

Gracanin, M.
THE CATALYTIC ABILITY OF SOIL AS A DIFFERENTIAL INDICATOR IN PEDOGENETIC RESEARCHES. 1963, 8p 12refs PL-480 Agr.
Order from OTS $2.50 in TT-62-11755/4 (p. 67-74)

Trans. of Arhiv za Poljoprivredne Nauke [i Tehniku] (Yugoslavia) 1962, v. 15, no. 50, p. 74-82.

Gustomesov, V. A.
SIGNIFICANCE OF THE LATERAL FURROWS ON THE ROSTRUM FOR THE DEVELOPMENT OF BELEMNITE TAXONOMY (O Znachenii Bokovykh Borozd dlya Razrabotki Sistematiki Belemnitov). Nov 63, 9p 16refs
Order from AGI $5.00 in International Geology Review, v. 5, no. 11, p. 1487-1495

Trans. of Paleont[ologicheskii] Zh[urnal] (USSR) 1962, no. 1, p. 31-40. (Abstract available)

Il'in, K. B.
TECTONIC ZONING AND REGULARITIES OF DISTRIBUTION OF MINERAL RESOURCES WITHIN KOREA (Tektonicheskoe Rayonirovanie Korei i Zakonomernosti Razmeshcheniya Poleznykh Iskopaemykh na Ee Territorii). Nov 63, 13p 20refs
Order from AGI $5.00 in International Geology Review, v. 5, no. 11, p. 1457-1469

Trans. of Sovet[skaya] Geol[ogiya] (USSR) 1962 [v. 5] no. 5, p. 114-130. (Abstract available)

Ku, Kung-hsü and Hsia, Kuo-chih.
GEOPHYSICAL PROSPECTING IN COMMUNIST CHINA: GENERAL DESCRIPTION [AND] WIDESPREAD APPLICATION OF METHODS IN INVESTIGATING THE DISTRIBUTION OF RARE METALS. 8 Apr 64, 13p JPRS: 24087.
Order from OTS $0.50 TT-64-31016

Trans. of Ti Ch'iu Wu Li K'an T'an (Chinese People's Republic) 1958, no. 2, p. 43-44; no. 6, p. 5-8.

Lyustukh, E. N.
POSSIBLE SCHEMES ON THE STRUCTURE OF THE CRYSTALLINE FOUNDATION
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Order from OTS, SLA, or ETC $1.60 TT-64-15164

Trans. of Sovetskaya Geologiya (USSR) 1948, no. 28, p. 133-138.

Mikhailov, N. P.
UPPER CRETACEOUS AMMONITES IN THE SOUTHERN EUROPEAN PART OF THE U.S.S.R. AND THEIR PLACE IN THE ZONAL STRATIGRAPHY (Verkhnemelovye Ammonity Yuga Evropeiskoi Chasti SSSR i Ikh Znachenie dlya Zonal'noi Stratigrafii)
I. Mittin, tr. 1963 [111p]
Order from OTS, SLA, or ETC $9.60 TT-64-15096

Partial trans. (excerpts) of [Akademiya Nauk SSSR]. Institut Geologicheskikh Nauk. Trudy, 1951, no. 129, Geolog[icheskaya] Seriya no. 50, p. 34-40, 44-54, 81-105.

Oganezov, G. G.
ON THE NEW THEORY OF GLACIATION (O Novoi Teorii Oledeneniya).
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Order from AGI $5.00 in International Geology Review, v. 5, no. 11, p. 1432-1439

Trans. of Akademiya Nauk Armyanskoi SSR [Erevan]. Izvestiya. [Geologicheskie i Geograficheskie Nauki] 1962 [v. 15] no. 1, p. 3-15. (Abstract available)

Orlov, Yu. A.
SOME OF THE TASKS OF PALEONTOLOGICAL SCIENCE IN THE LIGHT OF THE DECISIONS MADE BY THE XXII CONGRESS OF THE COMMUNIST PARTY OF THE SOVIET UNION (O Nekotorykh Zadachakh Paleontologicheskoi Nauki v Svete Reshenii XXII S'yezda KPSS). Nov 63, 3p
Order from AGI $5.00 in International Geology Review, v. 5, no. 11, p. 1474-1476

Trans. of Paleont[ologicheskii] Zh[urnal] (USSR) 1962, no. 1, p. 3-6.

Pavlov, V. V.
RESULTS OF THE PALYNOLOGICAL ANALYSIS OF SAMPLES FROM THE SEDIMENTARY-VOLCANIC BEACON SERIES (ANTARCTICA, KING GEORGE V COAST, CAPE BLUFF). [1961] 5p (tables figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-15121

Trans. of [Sbornik Statei po Paleonotologii i Biostratigrafii] (USSR) 1958, v. 12, p. 77-79. (previously announced as TT-61-23961)

Poletaev, B. D. and Bosykh, Yu. A.
GEOLOGICAL EFFECTIVENESS OF GRAVIMETRIC PROSPECTING IN PECHORA COAL BASIN AND ADJOINING AREAS (Geologicheskaya Effektivnost' Gravirazvedki v Pechorskom Ugol'nom Basseine i Smezhnykh Rayonakh)
H. Tomas, tr. Feb 64 [19p] 7refs ACIC TC-793.
Order from OTS, SLA, or ETC $1.60 TT-64-15155

Trans. of Geofizicheskaya Razvedka (USSR) 1962, no. 10, p. 34-44.

Popov, Yu. A.
SYSTEMATIC POSITION AND IDENTIFICATION OF THE JURASSIC AQUATIC HEMIPTERA BELONGING TO THE GENUS KARATAVIELLA (K Sistematicheskomu Polozheniyu i Poznaniyu Yurskikh Predstavitelei Vodnykh Polzhestko-krylykh Roda Karataviella). Nov 63, 5p 9refs
Order from AGI $5.00 in International Geology Review, v. 5, no. 11, p. 1496-1500

Trans. of Paleont[ologicheskii] Zh[urnal] (USSR) 1962, no. 1, p. 105-110.

Pozharitskii, K. I.
CALCULATION AND PRACTICAL SIGNIFICANCE OF CATEGORY C_2 GEOLOGIC RESERVES OF ORE DEPOSITS (Opodschete i Prakticheskom Znachenii Perspektivnykh Zapasov Kategorii C_2 Rudnykh Mestorozhdenii). Nov 63, 7p 20refs
Order from AGI $5.00 in International Geology Review, v. 5, no. 11, p. 1450-1456

Trans. of Sovet[skaya] Geol[ogiya] (USSR) 1962 [v. 5] no. 5, p. 104-112. (Abstract available)

Rukhin, L. B. and Rukhina, E. V.
CRETACEOUS FORMATIONS OF FERGHANA DEPRESSION: EXCERPTS (CONTENTS, CAPTIONS [AND HORIZONTAL BEDS AND CROSS-BEDDING)
Ivan Mittin, tr. 1963 [32p]
Order from OTS, SLA, or ETC $3.60 TT-64-15097

Trans. of mono. Melovye Otlozheniya Ferganskoi Kotloviny, Leningrad, 1961, p. 95-109, contents and captions.

Saushkin, Yu. G.
THE GEOGRAPHICAL ENVIRONMENT OF HUMAN SOCIETY. Dec 63, 17p
Order from AGS $1.00 in Soviet Geography: Review and Translation, v. 4, no. 10 (p. 3-19)

Trans. of Geografiya i Khozyaistvo (USSR) 1963, no. 12, p. 67-77. (Abstract available)

Sivakov, N. K.
WAVE ACTION AND THE DEVELOPMENT OF THE OUTER FORESHORE MARGIN (Formirovanie Volnami Vneshnego Kraya Beregovoy Otmeli)
Mark E. Burgunker, tr. Nov 63, 6p 8refs
Order from AGI $5.00 in International Geology Review, v. 5, no. 11, p. 1440-1445

Trans. of Akademiya Nauk SSSR. Okeanograficheskaya Komissiya. Trudy, 1961, v. 8, p. 129-135. (Abstract available)

Tkhostov, B. A.
INITIAL ROCK PRESSURES IN OIL AND GAS DEPOSITS. 1963, 100p.
Order from PP $7.50

Trans. of mono. [Nachal'nye Plastovye Davleniya v Neftyanykh i Gazovykh Mestorozhdeniyakh, Moscow, 1960, 105p].

Vel'mina, N. A. and Uzemblo, V. V.
HYDROGEOLOGY OF THE CENTRAL PART OF SOUTHERN YAKUTIA E. Rosenthal, tr. 1964, 196p 45refs PL-480 Int.
Order from OTS $2.00 TT-63-11131

Trans. of mono. Gidrogeologiya Tsentral'noi Chasti Yuzhnoi Yakutii, Moscow/Leningrad, 1959 [178p].

Zhizhchenko, B. P.
PRINCIPES DE LA STRATIGRAPHIE DU CÉNOZOÏQUE DU CAUCASE SEPTENTRIONAL ET DES RÉGIONS VOISINES ET SCHÉMA STANDARD DE DE SA SUBDIVISION. I. et II. (The Principles of Stratigraphy of the Cenozoic of the Northern Caucasus and its neighbouring regions and Standard Plan of Subdivision) tr. by M. Szyszman. 314p. 157refs. Trans. no. 2242(R).
Order from OTS or ETC $19.75 TT-64-26242

Trans. in French of mono. [Printsipy Stratigrafii i Unifitsirovannaya Skhema Deleniya Kainozoiskikh Otlozhenii Severnogo Kavkaza i Smezhnykh Oblastei, Moscow] 1958 [311p].

Mineralogy

CHEMISTRY AND STRUCTURE OF COAL: SELECTED ARTICLES. 1963 [142p] 98refs PL-480 Int.
Order from OTS $1.50 TT-61-11350

Trans. of 10 articles selected from 3 1957-60 Polish journals.

Separate entries have been prepared for the individual articles.

Cloos, P., Gastuche, M. C., and Croegaert, M.
KINETIC OF THE DECOMPOSITION OF GLAUCONITE BY HYDROCHLORIC ACID: PRELIMINARY STUDY. [1963] 21p 19refs
Order from SLA $2.60 TT-64-10991

Trans. of mono. International Geological Congress (no. 21) Copenhagen, 1960. Rept., 1961, [pt.] 24, p. 35-50.

Fripiat, J. J. and Gastuche, M. C.
THOUGHTS ON THE PROBLEMS OF SYNTHESIS. [1963] 7p
Order from SLA $1.10 TT-64-10980

Trans. of mono. Genèse et Synthèse des Argiles (Origin and Synthesis of Argils) Paris, 1962, p. 207-210.

Heilpern, S. and Kijewska, A.
MODERN CONCEPTS OF CHEMICAL STRUCTURE OF COAL [Wspolczesne Poglady na Budowe Chemiczna Wegla] J. Dlutek, tr. 1963, 17p 24refs PL-480 Int.
Order from OTS $1.50 in TT-61-11350 (p. 73-89)

Trans. of Koks, Smola, Gaz (Poland) 1960 [v. 5] no. 2, p. 49-58.

Roga, B., Wnekowska, L., and Ihnatowicz, A.
COMPOSITION AND CHEMICAL STRUCTURE OF BROWN COALS FROM VARIOUS COALFIELDS (PROXIMATE AND ULTIMATE ANALYSES, RATIONAL ANALYSIS AND DETERMINATION OF FUNCTIONAL GROUP CONTENT) [Sklad i Struktura Chemiczna Wegli Brunatnych z Roznych Zaglebi] J. Dlutek, tr. 1963, 47p 9refs PL-480 Int.
Order from OTS $1.50 in TT-61-11350 (p. 1-47)

Trans. of Glowny Instytut Gornictwa. Kommunikat (Poland) 1958, no. 220, p. 3-28.

Szwejda, F.
OPTIMUM GRAIN-SIZE DISTRIBUTION OF COAL CHARGES [Wzorcowe Uziarnienie Wegla Wsadowego] J. Dlutek, tr. 1963, 5p PL-480 Int.
Order from OTS $1.50 in TT-61-11350 (p. 68-72)

Trans. of Koks, Smola, Gaz (Poland) 1960 [v. 5] no. 2, p. 58-61.

Thompson, J. B.
MINERAL FACIES IN PELITIC SCHISTS
Ivan Mittin, tr. 1963 [37p] 34refs
Order from OTS, SLA, or ETC $3.60 TT-64-15098

Trans. of mono. Fiziko-Khimicheskie Problemy Formirovaniya Gornykh Porod i Rud (Physico-Chemical Problems of Formation of Rocks and Ores) Moscow, 1961, p. 313-325.

Uytterhoeven, J. and Fripiat, J. J.
APPLICATION OF I-R SPECTROSCOPY ON THE STUDY OF SOME ORGANIC DERIVATIVES OF ALUMINO-SILICATES AND SILICA GEL. [1963] 10p 11refs
Order from SLA $1.10 TT-64-10990

Trans. of mono. International Geological Congress (no. 21) Copenhagen, 1960. Rept., 1961 [pt.] 24, p. 80-87.

Weclewska, M.
POLAROGRAPHIC DETERMINATION OF METAL TRACES IN COAL ASH OF BITUMINOUS COAL [Polarograficzne Oznaczanie Sladow Metali w Popiele z Wegla Kamiennego] J. Dlutek, tr. 1963, 20p 33refs PL-480 Int.
Order from OTS $1.50 in TT-61-11350 (p. 48-67)

Trans. of Glowny Instytut Gornictwa. Kommunikat (Poland) 1960, no. 242, p. 3-12.

Oceanography

Klyashtorin, L.B.
LA PRODUCTION PRIMAIRE DANS L'OCÉAN ATLANTIQUE ET L'OCÉAN ANTARCTIQUE D'APRÈS LES DONNÉES DE LA 5ème CROISIÈRE DU NAVIRE "OBI" (Pervichnaya Produktsiya v Atlanticheskom i Yuzhnom Okeanakh po Dannym Pyatogo Antarkticheskogo Reisa Dizel'-Elektrokhode 'Obi') (Primary Production in the Atlantic and South Oceans from Data of the Antarctic Voyage of the d/e Ob). 11p. (foreign text included) 3refs. CNRS-IV 55.
Order from OTS, ETC or CNRS $1.60 TT-63-26826

Trans. in French of Akademiya Nauk SSSR. Doklady, 1961, v. 141, no. 5, p. 1204-1207.

Yashnov, V.A.
PLANCTON DE LA PARTIE TROPICALE DE L'OCÉAN ATLANTIQUE (Plankton Tropicheskoi Oblasti Atlanticheskogo Okeana) (Plankton of the Tropical Section of the Atlantic Ocean) 32p. (foreign text included) 11 refs. CNRS-III 300.
Order from OTS, ETC or CNRS $3.60 TT-63-26825

Trans. in French of *Akademiya Nauk SSSR. Morskoy Gidrofizicheskii Institut. Trudy, 1962, v. 25, p. 195-207.
Another trans. is available in English from AGU $16.00/year in Soviet Oceanography, 1962, no. 1

Physics of the Atmosphere

PHENOMENA IN THE UPPER ATMOSPHERE: COMPILATION OF ABSTRACTS FROM SOVIET LITERATURE. Monthly rept. no. 40 on Soviet Developments in Selected Problems in Astrophysics and Geophysics; AID Work Assignment no. 3. 24 Mar 64 [22p] 23refs AID Rept. P-64-15.
Order from OTS, SLA, or ETC $2.60 TT-64-15110

Contents:
Ionospheric electron concentration
Solar radiation and the ionosphere
Van Allen belts and cosmic rays
Telluric currents
Nuclear bursts in the atmosphere
Satellite and missile data.

PHENOMENA IN THE UPPER ATMOSPHERE: REVIEW OF SOVIET LITERATURE. Rept. no. 41 reviewing Soviet Developments in Selected Problems in Astrophysics; AID Work Assignment no. 3. 26 Mar 64 [18p] 17refs AID Rept. P-64-16.
Order from OTS, SLA, or ETC $1.60 TT-64-15146

Contents:
Solar radiation and the ionosphere
Atmospheric electricity
Nuclear bursts in the atmosphere
Satellite and missile data
Meteorology of the upper atmosphere.

Seismology

Golenetskii, S. J.
DETERMINATION OF THE THICKNESS OF THE EARTH CRUST ACCORDING TO OBSERVATIONS OF THE WAVES REFLECTED FROM ITS BASE AND THE DEPTH OF DEPOSITION OF AFTERSHOCK FOCUSES OF THE MIDDLE-BAIKAL EARTHQUAKE OF 29 AUG 59 (Opredelenie Moshchnosti Zemnoi Kory po Nablyudeniyam Voln, Otrazhennykh ot Ee Podoshvy, i Glubiny Zaleganiya Ochagov Aftershokov Srednebaikal'skogo Zemletrya Seniya 29 Avgusta 59) Dimitri Shalikashvili, tr. Feb 62 [12p] 2refs ACIC-TC-447.
Order from OTS, SLA, or ETC $1.60 TT-64-15184

Trans. of Geologiya i Geofizika (USSR) 1961, no. 2, p. 111-116.

Misharina, L. A.
AFTERSHOCKS OF CENTRAL BAIKAL EARTHQUAKE OF 29 AUG 59 (Aftershoki Srednebaikal'skogo Zemletryaseniya 29 Avgusta 1959 G)
Andrew Philips, tr. Feb 62 [11p] 3refs ACIC-TC-441-b.
Order from OTS, SLA, or ETC $1.60 TT-64-15186

Trans. of [Geologiya i Geofizika] (USSR) 1961, no. 2, p. 106-110.

Telyakova, Z. Kh.
RESULTS OF EXPLORATION OF TERRESTRIAL CRUST IN SOUTHERN PART OF WESTERN-SIBERIAN LOW-LAND BY THE METHOD OF SEISMIC SOUNDINGS (Rezultaty Issledovanii Zemonoi Kory Yuzhnoi Chasti Zapadno Sibirskoi Nizmennosti Metodom Gibinnykh Seismicheskikh Zondirovanii)
A. N. Phillips, tr. Feb 62 [26p] 7refs ACIC TC-458
Order from OTS, SLA, or ETC $2.60 TT-64-15156

Trans. of [Geologiya i Geofizika] (USSR) 1961, no. 7, [p. 3-15].

ENGINEERING

EAST EUROPEAN SCIENTIFIC ABSTRACTS: ELECTRONICS AND ENGINEERING NO. 12. 8 Apr 64, 17p JPRS: 24094.
Order from OTS $0.50 TT-64-31021

Consists of abstracts of articles from the scientific and technical journals of Czechoslovakia and Rumania.

ENGINEERING JOURNAL, 1963, VOL. 3, NO. 3. 31 Dec 63, 425p JPRS: 22567.
Order from OTS $6.00 TT-64-21186

Trans. of Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3, p. 417-615.

Separate entries have been prepared for the individual articles.

INNOVATIONS IN EQUIPMENT AND TECHNIQUES FOR BLASTING (Novoe v Sredstvakh i Sposobakh Vzryvaniya). 22 Nov 63 [172p] FTD-TT-63-293.
Order from OTS, SLA, or ETC $12.50 TT-64-13615

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5, p. 1-125.
Separate entries have been prepared for the individual articles. (Abstract available)

1960-61 JOURNAL DECREES OF GOSGORTEKhNaDZOR (STATE MINING INSPECTORATE) OF THE RSFSR: NOS. 5/60, 8/60, 14-15/61. 22 Nov 63, 4p FTD-TT-63-293 (p. 159-162).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 159-162)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 123-125]. (Abstract available)

THE UNIVERSAL MEASURING MICROSCOPE, UIM-23. 27 Feb 64 [5p] FTD-TT-64-7.
Order from OTS, SLA, or ETC $1.10 TT-64-15118

Unedited rough draft trans. of mono. Universal'nyi Izmeritel'nyi Mikroskop UIM-23, Leningrad, 1962, 2p.

Abinder, G. A.
SHORT DELAY SAFETY DETONATORS. 22 Nov 63, 4p 2refs FTD-TT-63-293 (p. 127-130).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 127-130)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 101-104].

Azarkovich, A. E.
DOUBLING ELECTRIC FIRING CIRCUITS. 22 Nov 63, 10p 3refs FTD-TT-63-293 (p. 71-79a).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 71-79a)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 59-66]. (Abstract available)

Azarkovich, A. E.
PARALLEL CONNECTION OF ELECTRIC DETONATORS FOR FIRING FROM CAPACITOR MACHINES. 22 Nov 63, 10p 4refs FTD-TT-63-293 (p. 52-60a).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 52-60a)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 44-51].

Davydov, S. A.
CHOICE OF SHORT-DELAY FIRING DEVICES. 22 Nov 63, 7p FTD-TT-63-293 (p. 131-137).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 131-137)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 104-108].

Davydov, S. A. and Komarova, L. S.
INDUSTRIAL EXPERIMENTS ON PRODUCTION KZDSh-58 PYROTECHNICAL RELAYS. 22 Nov 63, 3p FTD-TT-63-293 (p. 143-145).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 143-145)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 111-112].

Demidyuk, G. P.
DELAY INTERVALS IN SHORT-PERIOD-DELAY FIRING. 22 Nov 63, 15p 7refs FTD-TT-63-293 (p. 38-51a).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 38-51a)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 33-44].

Farforovskii, B.S.
PROYECTO Y CONSTRUCCION DE TORRES INDUSTRIALES PARA LA REFRIGERACION DEL AGUA (Proektirovanie i Stroitel'stvo Bashennikh Gradiren) (Design and Erection of Industrial Scale Water Cooling Towers). 11p. CID:63-396.
Order from OTS, ETC or CID $1.60 TT-63-26796

Trans. in Spanish of Elektricheskie Stantsii (USSR) 1959, v.30, no.4, p.37-39.

Gaek, Yu. V., Drukovannyi, M. F., and Mishin, V. V.
COEFFICIENT OF CHARGE PROXIMITY. 22 Nov 63, 13p FTD-TT-63-293 (p. 146-158).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 146-158)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 113-122]. (Abstract available)

Gorbacheva, E. P.
WIRING AN ELECTRICAL FIRING CIRCUIT FOR BREAKING UP OFFSIZE ROCKS. 22 Nov 63, 5p FTD-TT-63-293 (p. 122-126).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 122-126)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 98-101].

Grinberg, D. M.
CONDITIONS FOR THE SUCCESSFUL EXPLOSION OF CZECH TYPE DEM ELECTRIC DETONATORS.
22 Nov 63, 5p FTD-TT-63-293 (p. 25-29).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 25-29)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 23-27]. (Abstract available)

Krivov, V. A. and Belen'skii, P. G.
USE OF THE DEM DETONATORS IN THE NOVOMOSKVA GYPSUM MINE. 22 Nov 63, 8p FTD-TT-63-293 (p. 30-37).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 30-37)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 27-33].

Kushnarev, D. M. and Pavlov, V. P.
INVESTIGATION OF THE DANGER FROM STRAY CURRENTS IN USING ELECTRIC DETONATORS WITH NICHROME BRIDGE WIRES. 22 Nov 63, 8p FTD-TT-63-293 (p. 114-121).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 114-121)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 92-98].

Letov, A. M.
STABILITY OF NONLINEAR CONTROL SYSTEMS, 2D. ED. 24 Oct 63 [450p] refs FTD-TT-63-399.
Order from OTS, SLA, or ETC $22.25 TT-64-13753

Unedited rough draft trans. of mono. Ustoichivost' Nelineinykh Reguliruemykh Sistem, 2d ed., Moscow, 1962, 483p. (Abstract available)

Makarov, I. and Dubov, A.
THE DEVELOPMENT OF PNEUMATIC AUTOMATION IN SOVIET TECHNOLOGY. 6 Apr 64, 4p JPRS: 24036.
Order from OTS $0.50 TT-64-21986

Trans. from Izvestiya (USSR) 1964, 4 Feb, p. 5.

Miroshanskii, A. S.
ELECTRIC DETONATORS FOR THE SALT INDUSTRY. 22 Nov 63, 4p FTD-TT-63-293 (p. 18-21).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 18-21)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 19-21].

Moshek, I. M.
DEVICE FOR TESTING THE FIRING UNIT OF THE VMK-3/50 CAPACITOR BLASTING MACHINE.
22 Nov 63, 3p FTD-TT-63-293 (p. 22-24).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 22-24)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 21-23].

Ozernoi, M. I.
PROTECTION OF ELECTRIC DETONATORS FROM PREMATURE EXPLOSION BY STRAY CURRENTS.
22 Nov 63, 27p FTD-TT-63-293 (p. 80-106).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 80-106)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 66-87].

Paporotskii, L. A.
CONTEMPORARY FIRING METHODS AND DEVICES.
22 Nov 63, 7p FTD-TT-63-293 (p. 1-6a).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 1-6a)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 5-9].

Rubtsov, V. K.
INTRODUCTION OF KZDSh-58 RELAY AT A SIBAI MINE. 22 Nov 63, 5p FTD-TT-63-293 (p. 138-142).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 138-142)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 108-111].

Ruchkin, V. M. and Strausman, R. Ya.
ELECTRICAL FIRING IN SECTIONS ENDANGERED BY STRAY CURRENTS. 22 Nov 63, 7p FTD-TT-63-293 (p. 107-113).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 107-113)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 87-92].

Strausman, R. Ya.
FIRING CIRCUITS FOR USE WITH LIMITED POWER SUPPLY. 22 Nov 63, 10p FTD-TT-63-293 (p. 61-70).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 61-70)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 51-59].

Tarasenko, D. F. and Dmitriev, M. M.
NEW EXPLODING AND DETONATING DEVICES. 22 Nov 63, 12p FTD-TT-63-293 (p. 7-17a).
Order from OTS, SLA, or ETC $12.50 in TT-64-13615 (p. 7-17a)

Unedited rough draft trans. of Vzryvnoe Delo (USSR) 1962, no. 48/5 [p. 10-19]. (Abstract available)

Aeronautical Engineering

BULLETIN OF HIGHER EDUCATIONAL INSTITUTIONS. [AVIATION TECHNOLOGY] 1961, NO. 3: SELECTED ARTICLES. 30 Sep 63 [191p] 48refs FTD-TT-62-1111.
Order from OTS, SLA, or ETC $13.50 TT-64-13542

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1961, no. 3, p. 3-30, 38-68, 89-99, 113-180.

Separate entries have been prepared for the individual articles.

Akhmerov, A.F. and Parkhomenko, I. F.
ON THE PROBLEM OF DETERMINING THE TECHNOLOGICAL PARAMETERS IN THE BENDING AND STRETCHING OF PROFILE PARTS. 30 Sep 62, 7p 4refs FTD-TT-62-1111 (p. 113-120).
Order from OTS, SLA, or ETC $13.50 in TT-64-13542 (p. 113-120)

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1961, no. 3 [p. 127-133].

Gur'ev, N. I.
CALCULATIONS OF CYLINDRICAL AND PRISMATIC SHELLS BY THE METHOD OF DISCRETE UNKNOWNS 30 Sep 62, 3p FTD-TT-62-1111 (p. 148-150).
Order from OTS, SLA, or ETC $13.50 in TT-64-13542 (p. 148-150)

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1961, no. 3 [p. 153-154]. (Abstract available)

Krutov, N.
AIRCRAFT TODAY--SPACECRAFT TOMORROW. 11 Feb 64 [10p] FTD-TT-63-1134.
Order from OTS, SLA, or ETC $1.10 TT-64-15107

Unedited rough draft trans. of Grazhdanskaya Aviatsiya (USSR) 1963 [v. 20] no. 7, p. 18-19.

Shevelev, A. S. and Fedorchanko, G. P.
DETERMINATION OF PLACEMENT ERRORS OF SURFACE IN MACHINING COMPONENTS. 30 Sep 62, 13p 2refs FTD-TT-62-1111 (p. 121-135).
Order from OTS, SLA, or ETC $13.50 in TT-64-13542 (p. 121-135)

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1961, no. 3 [p. 134-143]. (Abstract available)

Zborowsky, H. P. G. A. R. von
IMPROVEMENTS OF AERIAL-BEACON INSTALLATIONS, PARTICULARLY OF THOSE HAVING A BEACON SUPPORTED BY AT LEAST ONE FAIRED AIR SCREW. 25 Feb 64 [24p] RSIC-141.
Order from OTS, SLA, or ETC $2.60 TT-64-13933

Trans. of Belgian patent no. 569,094, appl. filed 2 Jul 58, granted 2 Jan 59 (having been the object of a pat. appl. filed in France 16 Jul 57) printed and pub. 17 Mar 61. (Abstract available)

Chemical Engineering

PROCESS AND APPARATUS FOR THE TREATMENT OF LIQUIDS BY ION EXCHANGERS
J. R.-P., tr. 4 Feb 64, 27p (figs omitted)
Order from OTS, SLA, or ETC $2.60 TT-64-13782

Trans. of Belgian patent 520,694, appl. 13 Jun 53, granted 30 Jun 53, pub. 8 Jul 55, by Metallgesellschaft AG, Germany (priorities claimed: 14 Jun 52 and 27 May 53, Germany) (Abstract available)

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL INDUSTRY NO. 143. 6 Feb 64, 96p JPRS: 23119.
Order from OTS $2.25 TT-64-21506

Consists of 28 articles from selected Russian Oct-Nov 63 newspapers.

Separate entries have been prepared for 4 articles

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL INDUSTRY NO. 156. 2 Apr 64, 28p JPRS: 23987.
Order from OTS $0.75 TT-64-21963

Trans. of 8 selected articles from Dec 63-Feb 64 issues of 7 Russian journals.

Bezuglii, S. F., Akimov, B. A., and Antonova, V. G.
FINE PULVERIZATION OF CONCENTRATED PESTICIDAL WETTED POWDERS IN AN AIRSTREAM MILL. [1964] [8p] 7refs
Order from OTS, SLA, or ETC $1.10 TT-64-14841

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR) 1962 [no. 9, p. 695-697].

Gasparyan, A. M. and Melikyan, E. A.
SOME HYDRODYNAMIC PROBLEMS OF MASS-TRANSFER IN TWO-PHASE FLOWS. [1964] 14p 6refs
Order from OTS, SLA, or ETC $1.60 TT-64-14888

Trans. of #Zh[urnal] Priklad[noi] Khim[ii] (USSR) 1963, v. 36. no. 3, p. 594-604.

Kirikov, G.
CHEMISTRY AND AUTOMATION. 6 Feb 64, 5p JPRS: 23119 (p. 88-92).
Order from OTS $2.25 in TT-64-21506 (p. 88-92)

Trans. from Pravda, Moscow (USSR) 1963, 15 Nov, p. 2.

Kushnerevich, N. R.
ATTEMPTS TO OBTAIN METALLURGICAL COKE FORMED ON A SEMIINDUSTRIAL SCALE. 1963, 14p PL-480 Int.
Order from OTS $0.50 in TT-61-31319 (p. 12-25)

Trans. of Koks, Smola, Gaz (Poland) 1957 [v. 2] no. 6, p. 294-299.

Nikolaevskii, V. N.
MOTION EQUATIONS OF A GAS CONDENSATE MIXTURE IN POROUS MEDIA. 31 Dec 63, 7p 6refs JPRS: 22567 (p. 289-295).
Order from OTS $6.00 in TT-64-21186 (p. 289-295)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Petrov, A. A.
DETERGENTS AS EMULSION BREAKERS DURING THE PREPARATION OF OIL FOR PROCESSING. [1963] 16p 9refs
Order from OTS, SLA, or ETC $1.60 TT-64-10997

Trans. of mono. Primenenie Poverkhnostno-Aktivnykh Veshchestv v Neftyanoi Promyshlennosti (Vsesoyuznoe Soveshchanie po Primeneniyu Poverkhnostno-Aktivnykh Veshchestv v Neftyanoi Promyshlennosti i Ikh Proizvodstvu (no. 1) Baku, 1957. Trudy) Moscow, 1961, p. 112-125.

Platonov, V. M., Monko, Ya. D., and Bergo, B. G.
OPTIMAL FEEDING CONDITIONS IN FRACTIONATION OF MULTI-COMPONENT SYSTEMS. [1964] 8p 5refs
Order from OTS, SLA, or ETC $1.10 TT-64-14953

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel (USSR) 1963 [v. 8] no. 6, p. 12-16.

Povolotskii, L.
IMPORTANCE OF STATE STANDARDS FOR ALL BRANCHES OF THE CHEMICAL INDUSTRY. 6 Feb 64, 4p JPRS: 23119 (p. 93-96).
Order from OTS $2.25 in TT-64-21506 (p. 93-96)

Trans. from Ekonomicheskaya Gazeta (USSR) 1963, no. 46(119) p. 6.

Schildknecht, H.
ZONE MELTING AND COLUMN CRYSTALLIZATION, NEW PROCESSES FOR SEPARATING AND PURIFYING CRYSTALLIZING SUBSTANCES. [1963] 33p 22refs
Order from SLA $3.60 TT-64-14722

Trans. of Chimia (Switzerland) 1963, v. 17, p. 145-157.

Sojka, V.
RECONSTRUCTION DES USINES ET INTENSIFICATION DE LA PRODUCTION DE L'ACIDE SULFURIQUE (Rekonstrukce a Intenzifikace Výroby Kyseliny Sírové) (Rebuilding the Factories and Intensifying the Production of Sulfuric Acid). 11p. (foreign text included) CNRS-VI 884.
Order from OTS, ETC or CNRS $1.60 TT-63-26609

Trans. in French of Chemicky Prumysl (Czechoslovakia) 1961, v. 11[36] no. 8, p. 408-410.

Taubman, A. B. and Koretskii, A. F.
THE INFLUENCE OF A SOLID DISPERSE PHASE ON THE EMULSIFICATION AND DEMULSIFICATION OF PETROLEUM PRODUCTS. [1963] 8p
Order from OTS, SLA, or ETC $1.10 TT-64-10996

Trans. of mono. Primenenie Poverkhnostno-Aktivnykh Veshchestv v Neftyanoi Promyshlennosti (Vsesoyuznoe Soveshchanie po Primeneniyu Poverkhnostno-Aktivnykh Veshchestv v Neftyanoi Promyshlennosti i Ikh Proizvodstvu (no. 1) Baku, 1957. Trudy) Moscow, 1961, p. 105-111.

Civil Engineering

PLATE-SHAPED PLASTER SUPPORT
J. B., tr. 3 Mar 64, 10p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-15134

Trans. of Italian patent no. 528,697, cl. XIV, to Stahlentz G.m.b.H., of Germany, filed 26 Feb 55, granted 15 Jun 55, printed Aug 57 (priority: Germany, pat. appl. no. St. 8110, of 27 Apr 54).

Berthier, R. M.
A NEW METHOD FOR MEASURING PLASTICITY. [1963] 5p (figs omitted)
Order from SLA $1.10 TT-64-14349

Trans. of Revue des Materiaux de Construction [et de Travaux Publics. Edition C] (France) 1950, no. 417, p. 187-189. (Abstract available)

Gurevich, D. E. and Volik, A. G.
THE CONSTRUCTION OF PRE-FABRICATED TRESTLE-TYPE MOORINGS (Stroitel'stvo Sbornykh Prichalov Estakadnogo Tipa)
H. A. D., tr. 22 Jan 64, 7p I-3635.
Order from OTS $0.50 TT-64-11585

Trans. of Transportnoe Stroitel'stvo (USSR) 1963 [v. 13] no. 2, p. 23-27.

Pavlov, G.
NEW METHODS IN MOSCOW EXPERIMENTAL BUILDING WORK. Feb 64, 13p
Order from HMSO $0.77, $9.86/year in NLL Translations Bulletin, 1964, v. 6, no. 2 (p. 127-139)

Trans. of Stroitel' (USSR) 1963 [v. 9] no. 8, p. 3-6.

Turchin, N.Ya.
SOBRE LA EXPERIENCIA DE CONSTRUCCION DE TUNELES Y CANALES DE HORMIGON PREFABRICADO PARA CABLES Y TUBERIAS (Iz Opyta Stroitel'stva Kabel'nykh i Truboprovodnykh Tunnelei i Kanalov iz Sbornogo Betona) (Experiences in Prefabricated Concrete Canals and Tunnels for Cables and Pipes). 13p. CID:63-342.
Order from OTS, ETC or CID $1.60 TT-63-26742

Trans. in Spanish of Elektricheskie Stantsii (USSR) 1953, v.24, no.12, p.44-46.

Electrical and Electronic Engineering

DEVICE FOR THE CALIBRATION OF MEASURING MICROPHONES. 3 Mar 64 [3p] FTD-TT-64-3.
Order from OTS, SLA, or ETC $1.10 TT-64-15113

Unedited rough draft trans. of mono. Ustanovka dlya Graduirovki Izmeritel'nykh Mikrofonov, Moscow, 1960, 1p.

DIGITAL VOLTMETER, VTS-2. 4 Mar 64 [4p]
Order from OTS, SLA, or ETC $1.10 TT-64-15114

Unedited rough draft trans. of mono. Vol'tmetr Tsifrovoi VTS-2 [Moscow] 1961, 1p.

EXCESS CURRENT SWITCH FOR DIRECT CURRENT. 4 Mar 64, 4p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-15129

Trans. of Swiss patent 161,679, cl 111d, appl. 13 Mar 32, registered 15 May 33, pub. 17 Jul 33, by Maschinenfabrik Oerlikon.

IMPROVEMENTS RELATING TO ELECTRONIC VACUUM PUMPS. 24 Feb 64, 6p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-15143

Trans. of French patent no. 958,306, gr. 5, cl. 5, to Compagnie Générale de Télégraphie sans Fil, appl. 25 Nov 47, granted 2 Sep 49, pub. 7 Mar 50.

Balklay, A.
THE SPACE-FREQUENCY SPECTRUM OF HIGH-RESOLUTION RADIO INTERFEROMETERS (Issledovaniye Spektra Prostranstvennykh Chastot Radiointerferometrov Vyskoi Razreshayushchei Sposobnosti pri Uchete Dvukhmernogo Kharaktera Diagrammy Napravlennosti). 23 Mar 64 [19p] 11refs AID Rept. T-64-14.
Order from OTS, SLA, or ETC $1.60 TT-64-15082

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 437-448. Another trans. is available from OTS $6.00 in TT-64-21402, JPRS-22922 (p. 15-39).

Bazhenov, S. A., Pimenov, V. P., and Sobin, M. R.
VERIFICATION OF SOME QUESTIONS RELATED TO D-C POWER TRANSMISSION USING THE "CONDUCTOR-GROUND" SYSTEM ON THE KASHIRA-MOSCOW EXPERIMENTAL TRANSMISSION LINES
A. A. Osipovich, tr. 25 Oct 63 [22p] 7refs
Order from OTS, SLA, or ETC $2.60 TT-64-13111

Trans. of Elektricheskie Stantsii (USSR) 1959 [v. 30] no. 9, p. 54-59. (Abstract available)

Butterweck, Hans-Jürgen.
THE Y CIRCULATOR. [1963] 54p 22refs
Order from SLA $5.60 TT-64-14634

Trans. of [Archiv der Elektrischen Übertragung] (West Germany) 1963, v. 17, p. 163-176. (Abstract available)

Gel'man, N.L.
FABRICACION DE APARATOS PARA MEDIR LAS DISTANCIAS ENTRE LOS CONDUCTORES EN LOS LUGARES DE CRUCE DE LAS LINEAS AEREAS (Prostoi Pribor dlya Izmereniya Rasstoyaniya Mezhdu Provolami v Mestakh Peresechennii Vozdushnykh Linii) (Manufacture of Apparatus for the Measurement of Conductor-to-Conductor Distances in Aerial Line Crossings). 6p. CID:63-392.
Order from OTS, ETC or CID$1.10 TT-63-26792

Trans. in Spanish of Energetik (USSR) 1956, v.4, no.10, p.27-28.

Gel'perin, B.B.
METODO DE CALCULO DE LAS BOBINAS DE SATURACION (Metod Rascheta Drosselei Nasyshcheniya) (Calculation Method for Saturation Electric Coils). 14p. CID:63-390.
Order from OTS, ETC or CID $1.60 TT-63-26790

Trans. in Spanish of Elektrichestvo (USSR) 1958, no.5, p.47-50.

Gorodetskii, S.A.
DETERMINACION DEL GRADO DE HUMEDAD EN EL AISLAMIENTO DE LOS TRANSFORMADORES (Opredelenie Uvlazhennosti Izolyatsii Transformatorov) (Determination of Moisture Degree in Transformer Insulation). 8p. 4refs. CID:63-326.
Order from OTS, ETC or CID $1.10 TT-63-26726

Trans. in Spanish of Elektricheskie Stantsii (USSR) 1953, v.24, no.6, p.42-43.

Govyadinov, V. and Smolyan, G.
RADIO ELECTRONICS AND ADJACENT SCIENCES. 9 Apr 64, 11p JPRS: 24125. N64-18125
Order from OTS $0.50 TT-64-31040

Trans. of Kommunist, Moscow (USSR) 1964 [v. 40] no. 2, p. 87-95.

Hashimoto, H.
MÉTHODE DE DÉTECTION DES VIDES DANS LES CABLES HAUTE-TENSION (Corona Resistance of Insulating Materials Voltage-Cable). 16p. (foreign text included) 13refs. CNRS-X 608.
Order from OTS, ETC or CNRS $0.80 TT-62-28414

Trans. in French of Denki Gakkai Zasshi (Japan) 1960, v. 80, no. 858, p. 368-371.

Hechtel, R.
CALCULATION OF THE SPACE-CHARGE-LIMITED CURRENT FOR ARBITRARILY SHAPED ELECTRODES. [1963] 18p 7refs
Order from SLA $1.60 TT-64-14711

Trans. of [Telefunken-Zeitung (West Germany) 1958, v. 31, p. 124-130].

Heimann, Walter.
THE DEVELOPMENT OF A VIDICON-CAMERA TUBE WITH AN ENLARGED PHOTOCATHODE (2" Dia.) (Über die Entwicklung einer Vidikon-Kamerarröhre mit Vergrösserter Photokathode (2" Durchmesser). [1964] [6p] (foreign text included) 3refs
Order from SLA $1.10 TT-64-14853

Trans. of Rundfunktechnische Mitteilungen (West Germany) 1962, v. 6, p. 111-113.

Kawamura, Mitsuo.
HIGH CONVERGING GUN. Tokyo Inst. of Technology, Thesis no. 3222. [1964] 12p (figs tables formulae omitted) 8refs
Order from SLA $1.60 TT-64-14758

Trans. of Denki Tsushin Gakkai Zasshi (Japan) 1960, v. 43, no. 6, p. 711-718.

Kleefstra, M.
THE VALVE EFFECT OF TANTALUM. [1963] 11p 2refs
Order from SLA $1.60 TT-64-14628

Trans. of Annales de Radioélectricité (France) 1962, v. 17, no. 69, p. 223-226. (Abstract available)

Korchagina, E.P. and Utkin, G.M.
ÉMISSION THERMIQUE DE LA GRILLE DANS LES LAMPES MÉTALLOCÉRAMIQUES (Termoemissiya Setki v Metallokeramicheskikh Lampakh) (Thermionic Emission of the Grid in Ceramet Tubes) 24p. (foreign text included) CNRS-X 467.
Order from OTS, ETC or CNRS $2.60 TT-62-29098

Trans. in French of #Elektrosvyaz'(USSR) 1957, v.11, no.4, p.12-21.

Kuchinskii, G.S.
ELECCION DEL ESPESOR DEL DIELECTRICO EN LOS CONDENSADORES DE PAPEL (Vybor Tolshchiny Dielektrika dlya Bumazhnykh Silovykh Kondensatorov) (Selection of Dielectric Thickness in Paper Capacitors). 22p. 7refs. CID:63-353.
Order from OTS, ETC or CID $2.60 TT-63-26753

Trans. in Spanish of Elektrichestvo (USSR) 1954, no.6, p.70-74.

Leonhard, A.
DEVIATION DEPENDANT RELAY TYPE SERVOMECHANISMS (Ausschlagabhängigkeit Relaisgesteuerter Stellmotore). [1963] [20p] 3refs
Order from SLA $1.60 TT-64-10343

Trans. of Regelungstechnik (West Germany) 1953, v. 1, no. 1, p. 13-17.

Livshits, D.S.
CARACTERISTICAS Y TIPOS DE CONDUCTORES Y CABLES (Ob Oboznachenivakh i Markakh Provodov i Kabelei) (Characteristics and Types of Conductors and Cables). 8p. CID:63-356.
Order from OTS, ETC or CID $1.10 TT-63-26756

Trans. in Spanish of Energetik (USSR) [1954] v. 2, no. 8, p. 29-31.

Mogil'nikov, V.S.
ROTACION POR INERCIA DE LOS MOTORES ELECTRICOS ASINCRONOS AL PRODUCIRSE UN CORTOCIRCUITO EN LA RED (Vybet Asinkhronnykh Elektrodvigatelei pri Korotkov Zamykanii v Seti) (Inertial Rotation of Asynchronous Electric Motors when the Network is Shortcircuited). 28p. 4refs.
CID:63-363.
Order from OTS, ETC or CID $2.60 TT-63-26763

Trans. in Spanish of Elektrichestvo (USSR) 1954, no.11, p.44-49.

Orlov, V.
APARATO PARA MEDIR LAS DISTANCIAS AL SUELO DE LOS CONDUCTORES DE LINEAS AEREAS DE TIPO IG-1 (Izmeritel' Gabarita Tipa IG-1) (Apparatus Employed for the Measurement of Distances to the Ground of Type IG-1 Aerial Lines). 7p.
CID:63-368.
Order from OTS, ETC or CID $1.10 TT-63-26768

Trans. in Spanish of Energetik (USSR) 1956, v.4, no.10, p.28-29.

Petrosyan, A.N.
ALGUNOS PROBLEMAS RELATIVOS AL EMPLEO DE MOTORES ELECTRICOS SINCRONOS (Nekotorye Voprosy Premeneniya Sinkhronnykh Elektrodvigatelei) (Problems Relating to Synchronous Motors Utilisation). 27p. 6refs. CID:63-327.
Order from OTS, ETC or CID $2.60 TT-63-26727

Trans. in Spanish of Energeticheskii Byulleten' (USSR) 1953, no.4, p.18-27.

Petrov
TRANSFORMADORES CON COMPENSACION DE PERDIDAS POR EL METODO MEI (Transformatory Toka s Kompensatsiei Pogreshnostei po Metodu Mei) (Transformers with Loss Compensation by the Mei Method). 36p. 3refs. CID:63-369.
Order from OTS, ETC or CID $3.60 TT-63-26769

Trans. in Spanish of Elektrichestvo (USSR) n.p., n.d.

Rotkop, L. L.,
PARAMETRES ENERGETIQUES D'UN MOTEUR ASYNCHRONE DANS UN SYSTEME DE REGULATION DE LA VITESSE PAR IMPULSIONS (Energeticheskie Pokazateli Asinkhronnogo Dvigatelya v Sisteme Impul'snogo Regulirovaniya Skorosti) (Induction Motor Power Rates in the Impulse Speed Control System). 18p (foreign text included) 7refs. CNRS-X 624.
Order from OTS, ETC or CNRS $1.60 TT-62-29107

Trans. in French of #Elektrichestvo (USSR) 1958, no. 11, p. 38-42.
Trans. in Spanish is available from OTS, ETC, or CID $0.80 as TT-62-29283, CID: 62-283, 18p., and in English from PP $14.00 in Electric Technology, USSR, v. 4.

Shapkin, I.F.
ENSAYOS SOBRE EL EMPLEO DE LA CORRECCION FOSFATO-SILICICA (Opyt Primeneniya Fosfatno-Silikatnogo Korrektirovaniya) (Tests on the Utilization of Phosphate-Siliceous Adjuster). 13p. 2refs.
CID:63-339.
Order from OTS, ETC or CID $1.60 TT-63-26739

Trans. in Spanish of Energeticheskii Byulleten' (USSR) 1952, no.12, p.7-12.

Shekhotsov, N. A., Prokhorov, E. D., and Safronov, B. V.
INTERNAL OSCILLATIONS IN p-n-p-m TRANSISTORS. 19 Feb 64 [9p] 2refs FTD-TT-64-68.
Order from OTS, SLA, or ETC $1.10 TT-64-15105

Unedited rough draft trans. of #Radiotekhnika i Elektronika (USSR) 1963, v. 8, no. 10, p. 1783-1786.

Shevchenko, V.A. and Ratner, M.P.
METODO SIMPLIFICADO DE CALCULO DE PERDIDAS DE POTENCIA EN LINEAS DE TRANSPORTE DE ENERGIA ELECTRICA (Uproshchennyi Metod Rascheta Poter' Moshchnosti v Transzitnykh Liniyakh) (Simplified Calculation Method of Power Losses in Electric Power Transmission Lines). 11p.
CID:63-397.
Order from OTS, ETC or CID $1.60 TT-63-26797

Trans. in Spanish of Elektricheskie Stantsii (USSR) 1961, v.32, no.5, p.51-54.

Vendik, O. G.
STATISTICAL EVALUATION OF THE BEAM DISPLACEMENT IN A SYSTEM OF RADIATORS. 20 Jan 64 [16p] 6refs FTD-TT-63-1079.
Order from OTS, SLA, or ETC $1.60 TT-64-15106

Unedited rough draft trans. of #Radiotekhnika i Elektronika (USSR) 1963, v. 8, no. 7, p. 1130-1138.

Villelongue, A. de and Légaré, R.
SOCOTEL SI SUB EXCHANGES AND CONCENTRATORS. [1963] [41p] 4refs
Order from SLA $4.60 TT-64-14000

Trans. of Commutation et Electronique (France) 1962, no. 3, p. 20-35. (Abstract available)

Vul, B.M. and Skanavi, G.I.
CONDENSATEURS CÉRAMIQUES DE HAUTE FRÉQUENCE (Keramicheskie Vysokochastotnye Kondensatory) (Ceramic High-Frequency Condensers). 14p. (foreign text included) 4refs. CNRS-X 120.
Order from OTS, ETC or CNRS $1.60 TT-62-29122

Trans. in French of Akademiya Nauk SSSR. Izvestiya, Seriya Fizicheskaya, 1944, v.8, no.4, p.194-199.

Zavoiskii, E.K., Butslov, M.M. and Smolkin, G.E.
FACTEUR D'AMPLIFICATION MAXIMUM ET BRUIT DES PHOTOMULTIPLICATEURS (Maximum Amplification Factor and Noise of Photomultipliers). 12p. (English translation included) 7refs. CNRS-X 439.
Order from OTS, ETC or CNRS $1.60 TT-62-29100

Trans. in French of Akademiya Nauk SSSR. Doklady, 1956, v.111, no.5, p.996-999.

Ordnance, Missiles, and Satellite Vehicles

FROM THE FIRST SATELLITE TO GROUP FLIGHT. 31 Dec 63 [9p] FTD-TT-63-1081.
Order from OTS, SLA, or ETC $1.10 TT-64-15085

Unedited rough draft trans. from Sovetskaya Latviya (USSR) 1962, 4 Oct, p. 2.

MILITARY BOMBARDMENT AGAINST STEEL-CONCRETE ARMORED-WORKS OF THE FORTIFICATION GROUP OF FORT DE BATTICE AND FORT NEUFCHATEAU WITH 21 CC RÖ-GR 42 BE AND 44 BE AND 34 CM AND 35 CM RÖ-CR 42 BE. [1963] 35p
Order from SLA $3.60 TT-63-20978

Trans. of unidentified mono. (report) of Oberkommando des Heeres (Supreme Command of the Army) Berlin, 11 Aug 43,

Aleshkov, Yu. Z.
OPTIMUM INJECTION OF A POINT INTO A TRAJECTORY CORRESPONDING TO THE REQUIRED HOMING METHOD. [1964] 7p 2refs
Order from OTS, SLA, or ETC $1.10 TT-64-14838

Trans. of Leningrad U. Vestnik (USSR) 1963 [v. 18] no. 19 [Seriya Matematiki, Mekhaniki i Astronomii no. 4] p. 85-91.

Degtyarev, V. G.
ON THE STABILITY OF CIRCULAR ORBITS OF ARTIFICIAL EARTH SATELLITES. 31 Dec 63, 9p 8refs JPRS: 22567 (p. 184-192).
Order from OTS $6.00 in TT-64-21186 (p. 184-192)

Trans. of Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3 [p. 513-516]. (Abstract available)
Another trans. is available from OTS, SLA, or ETC $1.10 as TT-63-20961 [1963] 6p.

Grodzovskii, G. L., Ivanov, Yu. N., and Tokarev, V. V.
THE MECHANICS OF COSMIC FLIGHT WITH LOW THRUST, I. 31 Dec 63, 62p 73refs JPRS: 22567 (p. 362-425).
Order from OTS $6.00 in TT-64-21186 (p. 362-425)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3. (Abstract available)

Ilyukin, V. S. and Pokhil, P. F.
THE SENSITIVITY OF SOME EXPLOSIVES TO A SHOCK WAVE
W. Urusky, tr. 22 Jan 64 [7p] 6refs RSIC-122.
Order from OTS, SLA, or ETC $1.10 TT-64-13722

Trans. of Akademiya Nauk SSSR. Doklady, 1961, v. 140, no. 1, p. 179-180.

Lebedev, V. N.
VARIATIONAL PROBLEM OF SPACE-VEHICLES TAKE-OFF FROM A CIRCULAR ORBIT. [1963] 7p 7refs
Order from OTS, SLA, or ETC $1.10 TT-64-14319

Trans. of [Zhurnal] Vychisl[itel'noi] Mate[matika] i Mate[maticheskoi] Fiz[iki] (USSR) 1963, v. 3, no. 6, p. 1126-1130. (Abstract available)

Shchennikov, G. S.
GUIDED BALLISTIC MISSILES AND THEIR ENGINES. 3 Apr 64, 12p JPRS: 24024. N64-17972
Order from OTS $0.50 TT-64-21978

Trans. of Morskoi Sbornik (USSR) 1963 [v. 46] no. 3, p. 67-74.

Sanitation and Safety Engineering

FIRE-EXTINGUISHING PUMP
P. C. C., tr. 11 Mar 64, 3p (fig omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-15144

Trans. of French patent no. 595,221, gr. VII, cl. 3, to Auto Industriale Veronese, of Italy, appl. 17 Mar 25, granted 11 Jul 25, pub. 29 Sep 25 (appl. filed in Italy 27 Mar 24).

Fainshtein, A.S.
ELIMINACIÓN DE LOS LODOS DE CARBURO DE LOS POZOS DE SEDIMENTACION EN LAS FABRICAS DE ACETILENO (Udalenie Karbidnogo Ila Iz Otstoinykh Yam Atsetilenivykh Stantsii) (Disposal of Carbide Muds in Acetylene Manufacturing Plant Sump Basins). 6p. CID:63-385.
Order from OTS, ETC or CID $1.10 TT-63-26785

Trans. in Spanish of Energetik (USSR) 1956, v.4, no.10, p.22-23.

Oehley, E.
GAS IGNITION POINT AND DROP IGNITION POINT. [1963] 12p (figs tables omitted) 10refs
Order from SLA $1.60 TT-64-14410

Trans. of Chem[ie]-Ing[enieur]-Tech[nik] (West Germany) 1954, v. 26, no. 2, p. 97-100. (Abstract available)
Another trans. is available from SLA as no. 1823

Schütz, H.
ELIMINATION OF MIST, STEAM AND FUME-LIKE DUST FROM THE PRODUCTION ROOMS OF WIRE INDUSTRY (Beseitigen von Nebel, Dunst Sowie Rauchartigem Staub in den Fertigungsräumen der Drahtindustrie). [1964] [24p] (foreign text included)
Order from SLA $2.60 TT-64-14854

Trans. of Draht (West Germany) 1963, v. 14, no. 9, p. 572-577.

Sidorenko, G. I., Pinigin, M. A., and Savenkova, V. T.
THE USE OF THE COMBINED EFFECT OF GAMMA-RADIATION AND CHLORINE FOR STERILIZATION OF WATER. 21 Nov 63, 3p 4refs JPRS: 21975.
Order from OTS $0.50 in TT-63-41190 (p. 10-12)

Trans. of Gigiena i Sanitariya (USSR) 1963, v. 28, no. 9, p. 97-98.

Vinberg, G. G. and Lomonosova, M. S.
TOTAL NUMBER OF BACTERIA AND RATE OF OXYGEN CONSUMPTION IN WATERS OF VARIED DEGREE OF POLLUTION [Obshchee Chislo Bakterii i Skorost' Zagryazneniya] Zelda D. Knowles, tr. 2 Feb 55, 19p (figs omitted) 12refs NIH no. 3-46-55.
Order from OTS, SLA, or ETC $1.60 TT-64-15065

Trans. of Mikrobiologiya (USSR) 1953, v. 22, no. 3, p. 294-303.
Another trans. is available from SLA as RT-2424, 25p.

FOOD, HANDLING, AND PACKAGING EQUIPMENT

Food

FORMULATION OF PHOSPHATIDE PRODUCTS. [1964] 2p
Order from SLA $1.10 TT-64-14883

Trans. from [Seifen-Öle-Fette-Wachse] (Germany) 1937 [v. 64] 11 Aug, p. 592 (German patent 647,649).

Hermans, A. H. W. M.
NUTMEG CULTURE IN THE DUTCH INDIES SINCE THE ABOLITION OF THE MONOPOLY. [1964] 30p
Order from K-H $18.00 K-H-1500-b

Trans. of Pharm[aceutisch] Weekblad (Netherlands) 1928, v. 65, no. 31, p. 731-758.

Karandaeva, V. P.
COMPARATIVE NUTRITIONAL VALUE OF MEAT DEHYDRATED BY THE METHOD OF THERMAL ATMOSPHERIC DESICCATION AND BY SUBLIMATION (Sravnitel'naya Pitatel'naya Tsennost'myasa Obezvozhennogo Metodom Teplovoi Atmosfernoi Sushki i Metodom Sublimatsii)
J. M. B., tr. 24 Jan 64, 7p I-3920.
Order from OTS, SLA, or ETC $0.50 TT-64-11592

Trans. of Voprosy Pitaniya (USSR) 1963, v. 22, no. 6, p. 12-15.

Kolomiitseva, M. G.
CONTENT LEVEL OF CERTAIN MICRO-ELEMENTS (IODINE, FLUORINE, COBALT, AND COPPER) IN LOCAL FOOD PRODUCTS OF THE ALTAI MOUNTAINS (Uroven' Soderzhaniya Nekotorykh Mikroelementov (Ioda, Ftora, Kobal'ta i Medi) v Mestnykh Pishchevykh Produktakh Gornogo Altaya) [1963] 5p
NIH no. 10-24-63.
Order from OTS, SLA, or ETC $1.10 TT-63-24382

Trans. of Voprosy Pitaniya (USSR) 1961, v. 20, no. 6, p. 55-58.

Pal'min, V. V.
BIOCHEMICAL CHANGES IN MEAT RESULTING FROM IONIZING RADIATION (Biokhimicheskie Izmeneniya Myasa pri Ionoziruyushchem Obluchenii)
G. N., tr. 31 Jan 64, 5p I-3918.
Order from OTS $0.50 TT-64-11593

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Pishchevaya Tekhnologiya (USSR) 1962, no. 2, p. 76-81.

MACHINERY, FABRICATION, AND ACCESSORY EQUIPMENT

ARMENIA'S NEW MACHINE TOOLS AND METHODS. 11 Dec 63, 1p JPRS: 22231.
Order from OTS $1.00 in TT-63-41342 (p. 12)

Trans. of Promyshlennost' Armenii (USSR) 1963 [v. 6] no. 8, p. 74. (Abstract available)

DESCRIPTORS: *Machine tools, Grinders, Cutting tools.

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS NO. 11. 28 Jan 64, 6p JPRS: 22942.
Order from OTS $0.50 TT-64-21413

Trans. of selected abstracts from Referativnyi Zhurnal. [Otdel'nyi Vypusk 43]: Gornoe, Stroitel'noe i Dorozhnoe Mashinostroenie (USSR) 1963, no. 11; Referativnyi Zhurnal. [Otdel'nyi Vypusk 48]: Mashinostroitel'nye Materialy (USSR) 1963, nos. 6-7, 10; Referativnyi Zhurnal. Tekhnologiya Mashinostroeniya (USSR) 1963, no. 11; Referativnyi Zhurnal. [Otdel'nyi Vypusk 44]: Traktory i Sel'skokhozyaistvennye Mashiny i Orudiya (USSR) 1963, no. 11.

DUPLEX AUTOMATIC GRINDING MACHINE. 11 Dec 63, 2p JPRS: 22231.
Order from OTS $1.00 in TT-63-41342 (p. 29)

Trans. of Mashinostroitel' (USSR) 1963, no. 8, p. 11. (Abstract available)

INNOVATIONS IN MACHINE BUILDING. 11 Dec 63, 1p JPRS: 22231.
Order from OTS $1.00 in TT-63-41342 (p. 9)

Trans. of Mashinostroitel' (USSR) 1963, no. 8, p. 34. (Abstract available)

PNEUMATIC AUTOMATIC DEVICE IN DIE FORGING. 11 Dec 63, 2p JPRS: 22231.
Order from OTS $1.00 in TT-63-41342 (p. 15-16)

Trans. of Tekhnika Molodezhi (USSR) 1963 [v. 31] no. 9, p. 10. (Abstract available)

USSR INDUSTRIAL DEVELOPMENT: SOVIET METALWORKING EQUIPMENT NO. 82. 11 Dec 63, 30p JPRS: 22231.
Order from OTS $1.00 TT-63-41342

Trans. of 13 selected articles from Aug-Nov 63 issues of various Russian publications.

Separate entries have been prepared for 7 articles.

Korshunov, V. I. and Korshunova, N. V.
ARRANGEMENT FOR DRAWING WIRE WITH THE USE OF ULTRASOUND. 7 Jan 64 [4p] FTD-TT-63-941.
Order from OTS $0.50 TT-64-11605

Unedited rough draft trans. of Russian patent no. 144140, appl. 738383/22, 14 Jul 61 (pub. in #Byulleten' Izobretenii [i Tovarnykh Znakov] (USSR) 1962, no. 2).

Renaud, Marcel-Edmond-Celestin.
FLEXIBLE OR ELASTIC WALL PUMP OR MOTOR SYSTEM G. E., tr. 26 Mar 64, 9p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-15137

Trans. of French patent no. 1,246,644, internat. cl. F 05 b, appl. 2 Feb 60, granted 10 Oct 60.

Shikhel'man, Kh. I.
NEW MACHINE TOOLS AT THE ODESSA PLANT IMENI S. M. KIROV. 11 Dec 63, 8p (figs omitted) JPRS: 22231.
Order from OTS $1.00 in TT-63-41342 (p. 21-28)

Trans. of Mashinostroitel' (USSR) 1963, no. 8, p. 9-11. (Abstract available)

Ter-Gazarov, A. and Feofanov, G.
NEW METAL CUTTING MACHINE TOOLS. 11 Dec 63, 4p (figs omitted) JPRS: 22231.
Order from OTS $1.00 in TT-63-41342 (p. 17-20)

Trans. of Promyshlennost' Armenii (USSR) 1963 [v. 6] no. 8, p. 43-44.

Zel'tser, P. N.
VORTEX WORM CUTTING. 11 Dec 63, 1p JPRS: 22231.
Order from OTS $1.00 in TT-63-41342 (p. 13)

Trans. of Stroitel'nye i Dorozhnye Mashiny (USSR) 1963 [v. 8] no. 9, p. 37. (Abstract available)

Engines and Propulsion Systems

AUTOMATIC CONTROL OF AIRCRAFT ENGINES, 1962, VOL. 4: SELECTED ARTICLES. 3 Dec 63 [139p] 19refs FTD-TT-63-745.
Order from OTS, SLA, or ETC $10.50 TT-64-13784

Unedited rough draft trans. of Avtomaticheskoe Regulirovanie Aviadvigatelei (USSR) 1962, v. 4, p. 5-69, 95-135.

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Eisfeld, Fritz.
THE INFLUENCING OF FUEL DISTRIBUTION IN THE COMBUSTION CHAMBER OF A DIESEL ENGINE BY CONTROLLED AIR MOVEMENT. [1963] 29p 20refs
Order from SLA $2.60 TT-64-14597

Trans. of MTZ [Motortechnische Zeitschrift] (West Germany) 1963, v. 24, no. 10, p. 339-348.

Shtern, V. Ya. and Pollyak, S.
APPLICATION OF THE POLAROGRAPHIC METHOD TO THE STUDY OF PRECOMBUSTION PROCESSES IN THE INTERNAL-COMBUSTION ENGINE. [1963] 20p (figs omitted) 3refs
Order from OTS, SLA, or ETC $1.60 TT-63-18967

Trans. of Trudy Vsesoyuznoi Konferentsii po Analiticheskoi Khimii [Transactions of the All-Union Conference on Analytical Chemistry] Moscow, 1943, v. 2, p. 603-614.

Zinner, Karl and Seifert, Hans.
RESULTS OF TESTS ON MAN ENGINES WITH A NEW TYPE PRE-COMBUSTION CHAMBER. [1963] 14p 4refs
Order from SLA $1.60 TT-64-14596

Trans. of MTZ; Motortechnische Zeitschrfit (West Germany) 1963, v. 24, no. 10, p. 333-338.

Machine Parts and Mechanisms

Amici, Luigi.
CASINGS FOR PNEUMATIC TIRES FOR VEHICLE WHEELS OF ALL KINDS
J. R.-P., tr. 6 Mar 64, 16p (figs omitted)
Order from OTS, SLA, or ETC $1.60 TT-64-15133

Trans. of Italian patent no. 529,370, cl. VII, to Pirelli S.p.A., appl. filed 22 Dec 54, granted 22 Jun 55, printed Feb 58.

Biderman, V. L. and Bukhin, B. L.
BEREKENING VAN RUBBER-KOORD WEEFSEL LUCHTVEREN (Raschet Rezino-Kordnykh Pnevmaticheskikh Amortizatorov) (Method of Calculation for Corded Rubber Pneumatic Springs). 79p. 13refs
Order from OTS or ETC $7.60 TT-64-26243

Trans. in Dutch of Raschety na Prochnost'. Teoreticheskie i Eksperimental'nye Issledovaniya Prochnosti Mashinostroitel'nykh Konstruktsii. Sbornik Statei (USSR) 1960, v. 5, p. 15-58.

Breitmeier, Max.
MUDGUARD FOR VEHICLE WHEELS. 27 Feb 64, 2p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-15130

Trans. of Swiss patent 134,819, cl. 126d, appl. filed 28 Sep 28, granted 15 Aug 29, pub. 1 Nov 29.

Holstrup, Svend Aage Hilmar.
SPLASH-FREE AUTOMOBILE TIRE. 26 Feb 64, 2p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-15128

Trans. of Danish patent 44,490, cl. 63 e-1, appl. 19 Aug 30, granted 4 Aug 31, pub. 17 Aug 31.

Ponte, Alfredo.
DEVICE FOR REDUCING TO A MINIMUM THE FORCE TO BE EXERTED IN THE FASTENING TOGETHER OF SCREW-JOINED ELEMENTS
F. H. B., tr. 27 Mar 64, 3p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-15135

Trans. of Italian patent no. 415,640 (1st Add. to no. 412,709) cl. V-b, appl. 16 Nov 45, granted 28 Oct 46, printed Sep 47.

Ponte. Alfredo.
NUTS OR OTHER FEMALE THREADED ELEMENTS, OF THE LIKE FASTENING ELEMENTS, FOR BOLTS OR THREADED RODS IN GENERAL, CONTAINING A WASHER ADAPTED TO COME IN CONTACT WITH THE FIXED OBJECT PART TO BE JOINTED AND ROTATABLE BY MEANS OF ROLLING ELEMENTS
F. H. B., tr. 27 Mar 64, 3p (fig omitted)
Order from OTS, SLA, orETC $1.10 TT-64-15136

Trans. of Italian patent no. 412,709, cl. IV, appl. 17 Sep 45, granted 7 Feb 46, printed Sep 46.

Transport, Traction and Hoist Facilities

Kochnev, F. P.
EFFECTIVE WAYS OF INCREASING THE VELOCITY OF PASSENGER TRAINS IN LOCAL TRANSPORTATION. [1963] [7p]
Order from OTS, SLA, or ETC $1.10 TT-64-14465

Trans. of Zheleznodorozhnyi Transport (USSR) 1963 [v. 45, no. 9] p. 42-45.

Levental, L. Ya.
GAS-TURBINE ENGINES FOR FAST PASSENGER TRAINS. [1963] 6p
Order from OTS, SLA, or ETC $1.10 TT-64-14467

Trans. of Zheleznodorozhnyi Transport (USSR) 1963 [v. 45, no. 9] p. 67-70.

Moshchalkov, A. S.
CONCENTRATION OF LOADING OPERATIONS IN YARDS, AND ITS EFFECTIVENESS. [1963] 4p
Order from OTS, SLA, or ETC $1.10 TT-64-14471

Trans. of Zheleznodorozhnyi Transport (USSR) 1963 [v. 45, no. 10] p. 73-75.

Naumov, A. N.
A STRONGER TRACK: THE MOST IMPORTANT FACTOR IN INCREASING TRAIN SPEED. [1963] [8p]
Order from OTS, SLA, or ETC $1.10 TT-64-14464

Trans. of Zheleznodorozhnyi Transport (USSR) 1963 [v. 45, no. 9] p. 30-37.

Shabalin, N. N.
HOW TO INCREASE THE HANDLING CAPACITY OF MARSHALLING YARDS. [1963] 5p
Order from OTS, SLA, or ETC $1.10 TT-64-14470

Trans. of Zheleznodorozhnyi Transport (USSR) 1963 [v. 45, no. 10] p. 33-36.

Shevandin, V. A.
TOWARDS BETTER UTILIZATION OF CAR CAPACITY WHEN TRANSPORTING CONTAINERS. [1963] 3p
Order from OTS, SLA, or ETC $1.10 TT-64-14472

Trans. of Zheleznodorozhnyi Transport (USSR) 1963, [v. 45, no. 10] p. 75-76.

Shkol'nikov, M.B.
CALCULO DE LAS PLATAFORMAS SOPORTES DE LOS SEMI-REMOLQUES (Raschet Nesushchikh Plat form Polupritsepov) (Calculation of Semitrailer Support Platforms). 16p. CID:63-384.
Order from OTS, ETC or CID $1.60 TT-63-26784

Trans. in Spanish of Avtomobil'naya Promyshlennost (USSR) 1959, no.9, p.10-15.

Subbotin, S. A.
POSSIBILITIES OF SPEEDING UP CAR-FLOW AND HOW THEY CAN BE UTILIZED. [1963] 5p
Order from OTS, SLA, or ETC $1.10 TT-64-14468

Trans. of Zheleznodorozhnyi Transport (USSR) 1963 [v. 45, no. 9] p. 71-75.

Verigo, M. F.
INTERACTION BETWEEN TRACK AND ROLLING STOCK. [1963] 7p
Order from OTS, SLA, or ETC $1.10 TT-64-14519

Trans. of Zheleznodorozhnyi Transport (USSR) 1963 [v. 45, no. 9] p. 37-41.

Vershinskii, S. B. and Dolmatov, A. A.
CARS FOR HIGH SPEED TRAFFIC. [1963] 7p
Order from OTS, SLA, or ETC $1.10 TT-64-14466

Trans. of Zheleznodorozhnyi Transport (USSR) 1963 [v. 45, no. 9] p. 49-52.

MATERIALS

IMPROVEMENT IN THE PULVERULENCE OF SILICA PIGMENTS. Jan 64
Order from LSA $18.00

Trans. of Japanese patent [publication] 17141/62, 22 Oct 62.

PRODUCTION OF DRY CLEANSERS. [1964] 2p
Order from SLA $1.10 TT-64-14882

Trans. from [Seifen-Ole-Fette-Wachse] (Germany) 1937, 25 Aug, p. 656 (German patent 647,523).

Baykoff.
ON THE THEORY OF HARDENING OF HYDRAULIC CEMENTS. [1963] 3p
Order from SLA $1.10 TT-64-14366

Trans. of [Academie des Sciences, Paris]. Compt[es] Rend[us] (France) 1926, v. 182. p. 128-129 (pub. by Gauthier-Villars et Cie., Paris) also in le Ciment (France) 1926, 52[sic].

Budnikov, P. P. and Kuznetsova, I. P.
THE EFFECT OF CALCIUM SULPHATE ON THE FORMATION OF PORTLAND CEMENT CLINKER (Vliyanie Sul'fata Kal'tsiya na Protsess Obrazovaniya Mineralov Portlandtsementnogo Klinkera).
V. McEachran, tr. Jul 63 [8p] 7refs LC. 1192.
Order from OTS, SLA, or ETC $1.10 TT-64-13797

Trans. of Gos[udarstvennyi] Vseso[yuznyi] Nauchn[o]-Issled[ovatel'skii] Inst[itut] Tsem[entnoi] Prom[yshlennosti]. Nauchnye Soobshcheniya (USSR) 1961, no. 12(143) p. 1-7.

Charisius, K.
RESISTANCE OF MAGNESIA MORTARS (XYLOLITH - MORTARS) (Beitrag zur Festigkeitsfrage bei Magnesiamörtel (Steinholzmörtel)). [1963] [10p] (foreign text included)
Order from SLA $1.10 TT-64-10761

Condensed trans. of Zement-Kalk-Gips (West Germany) 1951, v. 4, no. 6, p. 152-157.

Cohn, Henryk and Siebert, Conrad.
PRODUCTION OF A GOOD SOAKING UP AGENT FROM WOOL GREASE. [1964] 2p
Order from SLA $1.10 TT-64-14881

Trans. from [Seifen-Ole-Fette-Wachse] (Germany) 1937 [v. 64] 20 Oct, p. 812 (German patent 647,451).

Eisenbeck, H.
CONTRIBUTION TO THE KNOWLEDGE OF ALUMINA CEMENT. [1963] [21p] (figs omitted)
Order from SLA $2.60 TT-64-14427

Trans. of Chemiker Zeitung (Germany) 1926 [v. 50, p. 165-167, 202-204, 239-241, 246-248].

Eitel, W.
ELECTRONMICROSCOPICAL CEMENT RESEARCH. [1963] 12p (figs omitted) 12refs
Order from SLA $1.60 TT-64-14430

Trans. of Zement (Germany) 1942, v. 31, p. 489-494.

Endell, Kurd.
OBSERVATIONS ON THE CONSTITUTION AND SINTERING OF PORTLAND CEMENT CLINKER. 19 May 25, 4p 1ref
Order from SLA $1.10 TT-64-14433

Trans. of Ver[ein] D[eutscher] P[ortland-Zement]-F[abrikanten]. Protokoll [der Verhandlungen] (Germany 1914, v. 37, p. 221-233.

Ferrari, F.
CONCERNING POZZOLANA CEMENTS CONTAINING GYPSUM. [20 Jan 50] 8p 12refs
Order from SLA $1.10 TT-64-14846

Trans. of Tonindustrie-Zeitung (Germany) 1935, v. 59, no. 25, p. 316-317.

Fischer, Franz and Zerbe, Carl.
SUITABILITY OF LIGNITE COKE AS ACTIVE CARBON [1962] 14p 7refs
Order from SLA $1.60 TT-64-14684

Trans. of Brennstoff-Chemie (Germany) 1923, v. 4, no. 23, p. 353-357.
Another trans. is available from K-H $17.50 as K-H-3411-b [1962] 14p.

Forchand, de.
RESEACRHES ON PLASTER. [22 Jan 25] 10p 1ref
Order from SLA $1.10 TT-64-14424

Trans. of Soc[iété] Chim[ique de France]. Bul[letin] 1906 [ser. 3] v. 35, p. 781ff.

Gassner, Otto.
BLEACHING POWDER VATS OF CONCRETE. 14 Feb 25 [5p]
Order from SLA $1.10 TT-64-14418

Condensed trans. of Zement (Germany) 1924, v. 13, p. 632-634, 652-654, 684-688.

Gassner, Otto.
PRACTICAL QUESTIONS CONCERNING CONCRETE IN SEA WATER. [1963] 58p (refs omitted)
Order from SLA $5.60 TT-64-14421

Trans. of Zement (Germany) 1924, v. 13, p. 235-238, 247-251, 262-266, 277-279, 289-291.

Grün, Richard, Tremmel, Karl, and Kunze, Günter.
THERMAL INVESTIGATION OF SLAGS, PTS. I-II. [1963] 27p 8refs
Order from SLA $2.60 TT-64-14365

Trans. of Zement (Germany) 1925, v. 14, p. 948-950, 963-965, 987-990.

Haegermann, G.
THE PROPERTIES OF CEMENTS AS RELATED TO THE METHODS USED IN THEIR PREPARATION. [1963] [10p] (refs omitted)
Order from SLA $1.10 TT-64-14429

Trans. of mono. Association of German Portland Cement Manufacturers, Munich, 5 Sep 34. Proceeding p. 23-27.

Kaplun, F. Sh., Galle, A. G., Makarov, A. M., and Nozdrin, A. A.
REFERENCE BOOK ON THE PACKING AND PACKAGING OF GOODS: [SELECTED PARTS] B. L. T., tr. 22 Jan 64, 23p I-3314.
Order from OTS, SLA, or ETC $0.75 TT-64-11594

Trans. of mono. Spravochnik po Tare i Upakovke Gruzov, Moscow, 1961, p. 4-5, 362-367, 381-394.

Langhorn, Rowland William Richard.
BOOKMARK. 5 Mar 64, 3p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-15127

Trans. of Danish patent 57,609, cl. 11d-5, appl. 22 Dec 38, granted 6 May 40, pub. 20 May 40.

Natta, G. and others.
ELASTOMERS OF EXCEPTIONALLY HIGH RESILIENCE FROM COPOLYMERS OF ETHYLENE WITH ALIPHATIC α-OLEFINS. Jan 64.
Order from RIS $34.00 RIS-96849
Polyolefins Set $750.00

Trans. of Belgian patent 556 902, by Montecatini, Milan, Apr 56. (Abstract available)

Pacelli, Pietro.
PROCESS FOR PURIFYING THE SMOKE OF CIGARETTES, CIGARS AND THE LIKE AND FILTER FOR REALIZING SAID PROCESS. [1962] 7p
Order from OTS, SLA, or ETC $1.10 TT-64-14475

Trans. of Italian patent 531511, cl. 20, appl. 4 May 54, granted 3 Aug 55.
Another trans. is available from K-H $7.50 as K-H-10934-c [1962].

Poels, R.
ADMIXTURES FOR CONCRETE. [1964] 5p 4refs
Order from SLA $1.10 TT-64-14756

Trans. of Cement (Netherlands) 1958 [v. 10] no. 13/14 [p. 559-560]

Pozin, L. M. and others.
FAST-SETTING CEMENT FROM ZINC DUST AND UNSATURATED POLYESTER RESINS. Mar 64
Order from TTIS $3.00 TTIS NS 188

Trans. of Russian patent 157,749, appl. 22 Nov 61.

Presnov, V. A., Yakubenya, M. P., and Alekseeva, E. N.
EXPERIMENTAL EVIDENCE OF THE EXISTENCE OF A TRANSITION REGION IN THE BONDING OF CERAMICS TO METAL [Eksperimental'noe Dokazatel'stvo Sushchestvovaniya Perekhodnoi Oblasti v Spae Keramiki s Metallom]. [1963] 12p 4refs
Order from OTS, SLA, or ETC $1.60 TT-64-14650

Trans. of Sibirskii Fiziko-[Tekhnicheskii] Institut. Trudy (USSR) 1958, v. 36, p. 153-158.
Another trans. is available from OTS, SLA, or ETC $1.60 in TT-64-14026 [1963] [19p]

Stach, Eric.
THE MICROSCOPIC STUDY OF CEMENTS IN REFLECTED LIGHT. [11 May 37] 2p (figs omitted) 1ref
Order from SLA $1.10 TT-64-14848

Trans. of Tonindustrie-Zeitung (Germany) 1937, v. 61, no. 28, p. 318-[319].

Wedekind, Benno and Otten, Reinhard.
PROCESS FOR THE MANUFACTURE OF MOLDED BODIES OF FIBROUS CONCRETE. Jan 64, 715words
Order from LSA $8.00

Trans. of German patent 1,123,986, 15 Feb 62.

Zavidov, V. I., Fedorova, Z. V., and Shapchenko, N. I.
INVESTIGATING LOW-SULFUR EXTRACTS OF SELECTIVE OIL PURIFICATION AND THE PRODUCT OF THEIR THERMAL CRACKING. 8 Jan 64 [9p]
FTD-TT-63-1152.
Order from OTS, SLA, or ETC $1.10 TT-64-13709

Unedited rough draft trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) 1963 [v. 8] no. 9, p. 23-27. (Abstract available)

Adhesives and Sealants

ANIMAL AND VEGETABLE GLUE DEFOAMERS (Verheitung der Schaumbidldung von Tierischen Pflanzlichen Klebstoffosungen). [1964] 2p
Order from SLA $1.10 TT-64-14880

Trans. from [Seifen-Ole-Fette-Wachse] (Germany) 1937 [v. 64] 4 Aug, p. 582 (German patent 647,324).

NEW ETHYLENE COPOLYMERS. [1963] 9p
Order from OTS, SLA, or ETC $1.10 TT-63-20842

Trans. of French patent 1,323,379, 25 Feb 63, PV no. 898,811, internatl. cl. C 08 f--C 09 j, filed 25 May 62, by E. I. DuPont de Nemours and Co., USA.

Fikentscher, Hans and Scharf, Erwin.
ADHESIVE AGENTS. [1964] 2p
Order from SLA $1.10 TT-64-14866

Trans. of [Seifen-Öle-Fette-Wachse] (Germany) 1937 [v. 64] 19 May, p. 367 (German patent 642,574, 1931).

Klein, Isabel Miriam and Tyran, Leo Walter.
COMPOSITIONS BASED ON COPOLYMERS OF ETHYLENE AND VINYL ACETATE. [1963] 5p
Order from OTS, SLA, or ETC $1.10 TT-63-20841

Trans. of French patent 1,323,377, 25 Feb 63, PV no. 898,809, filed 25 May 62 (filed in U.S.A. as no. 112,757, 26 May 61) by E. I. DuPont de Nemours and Co., USA (pub. in Bulletin Officiel de la Propriete Industrielle (France) 1963, no. 14).

Schrauth, Walther.
GUMS. [1964] 1p
Order from SLA $1.10 TT-64-14859

Trans. of [Seifen-Öle-Fette-Wachse] (Germany) 1937 [v. 64] 3 Mar, p. 167 (German patent 641,004, 1932).

Sodovnik, V. D., Davydov, A. B., Ivanova, A. G., Mindein, Ya. I., and Leznov, N.
THE STUDY OF PROPERTIES AND POSSIBLE USE OF BORON-SILICON POLYMERS AS COMPONENTS IN THERMOSTABLE ADHESIVES. [1964] [10p] 14refs
Order from OTS, SLA, or ETC $1.10 TT-64-14839

Trans. of Plasticheskie Massy (USSR) 1963, no. 3, p. 39-[42].

Ceramics and Refractories

CHEMISTRY AND CHEMICAL TECHNOLOGY OF SILICATE MATERIALS: SELECTED ARTICLES. (Khimiya i Khimicheskaya Tekhnologiya Silikatnylch Materialov). 7 Nov 63 [117p] 76refs FTD-TT-63-688.
Order from OTS, SLA, or ETC $9.10 TT-64-13319

Unedited rough draft trans. of B[elorusskii] P[olitekhnicheskii] I[nstitut]. Sbornik Nauchnykh Rabot (USSR) 1960, v. 82, p. 86-165.

Separate entries have been prepared for the individual articles.

INTERESTING FACTS ABOUT GLASS SAND AND ITS PROCESSING. Jan 64.
Order from BGIRA BGIRA-596

Trans. of Glas-Email-Keramo-Technik (West Germany) 1963, v. 14, no. 5, p. 174-180.

Acloque, P.
GLASS FRACTURE-PROPAGATION - EFFECT OF PRESTRESSING. Jan 64.
Order from BGIRA BGIRA-595

Trans. of Verres et Refractaires (France) 1963, v. 17, no. 3, p. 151-162.

Bogoroditskii, N.P., Pasynkov, V.V. and others.
LES PROPRIÉTÉS ÉLECTRIQUES ET L'UTILISATION DE SILICUM (Elektricheskie Svoistva i Primenenie Karbida Kremniya) (Electric Properties and Applications of Silicon Carbide). 25p. (foreign text included) 14refs. CNRS-X 535.
Order from OTS, ETC or CNRS $2.60 TT-62-29111

Trans. in French of #Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya, 1956, v.20, no.12, p.1571-1580.

Budnikov, P. P., Berezhnoi, A. S. and others.
OBJECTS FROM URANIUM DIOXIDE. 9 Jan 64 [8p] 3refs FTD-TT-63-1012.
Order from OTS, SLA, or ETC $1.10 TT-64-13708

Unedited rough draft trans. of mono. Tekhnologiya Keramika i Ogneuporov [Technology of Ceramics and Refractories] Moscow, 1962, p. 396-399.
A complete trans. of mono. is available from ST.

Ermolenko, N. N. and Lambin, L. N.
THE GRAPHIC METHOD OF CONVERTING THE COMPOSITION OF GLASS FROM WEIGHT PERCENTS TO MOLAR PERCENTS AND FROM MOLAR PERCENTS TO WEIGHT PERCENTS. 7 Nov 63, 7p 2refs FTD-TT-63-688 (p. 41-48).
Order from OTS, SLA, or ETC $9.10 in TT-64-13319 (p. 41-48)

Unedited rough draft trans. of B[elorusskii] P[olitekhnicheskii] I[nstitut]. Sbornik Nauchnykh Rabot (USSR) 1960, v. 82 [p. 116-119].

Kisel', I. I., Chekmareva, K. I., and Demchuk, I. A.
THE EFFECT OF AGING AND FROST EXPOSURE ON THE CHARACTERISTICS OF BODIES AND FINISHED PRODUCTS. 7 Nov 63, 8p 5refs FTD-TT-63-688 (p. 93-100).
Order from OTS, SLA, or ETC $9.10 in TT-64-13319 (p. 93-100)

Unedited rough draft trans. of B[elorusskii] P[olitekhnicheskii] I[nstitut]. Sbornik Nauchnykh Rabot (USSR) 1960, v. 82 [p. 149-154]. (Abstract available)

Kisel', I. I., Radkevich, V. V., and Shimanskii, K. S.
THE EFFECT OF ADDITIONS OF CEMENT, GYPSUM, AND ASH ON THE PHYSICOMECHANICAL PROPERTIES AND THE DRYING RATE OF CERAMIC BODIES. 7 Nov 63, 12p 5refs FTD-TT-64-13319 (p. 101-112).
Order from OTS, SLA, or ETC $9.10 in TT-64-13319 (p. 101-112)

Unedited rough draft trans. of B[elorusskii] P[olitekhnicheskii] I[nstitut]. Sbornik Nauchnykh Rabot (USSR) 1960, v. 82 [p. 155-163]. (Abstract available)

Kisel', I. I., Rybakov, I. M., and Poznyak, O. G.
THE EFFECT OF TEMPERATURE AND RAREFACTION ON EVAPORATION DURING CASTING AND ON THE PROPERTIES OF A CERAMIC CAST. 7 Nov 63, 8p 9refs FTD-TT-63-688 (p. 85-92).
Order from OTS, SLA, or ETC $9.10 in TT-64-13319 (p. 85-92)

Unedited rough draft trans. of B[elorusskii] P[olitekhnicheskii] I[nstitut]. Sbornik Nauchnykh Rabot (USSR) 1960, v. 82 [p. 144-148]. (Abstract available)

Kovtunenko, G. A.
THE EFFECT OF INDIVIDUAL COMPONENTS AND CERTAIN ADDITIVES ON THE PROCESS OF IMPARTING A RUBY COLOR TO GLASS. 7 Nov 63, 6p 6refs FTD-TT-63-688 (p. 35-40).
Order from OTS, SLA, or ETC $9.10 in TT-64-13319 (p. 35-40)

Unedited rough draft trans. of B[elorusskii] P[olitekhnicheskii] I[nstitut]. Sbornik Nauchnykh Rabot (USSR) 1960, v. 82 [p. 112-115].

Mikhalevich, P. F. and Yagovdik, N. K.
FACTORY TESTING OF AN EXPERIMENTAL SAGGER BODY. 7 Nov 63, 10p 7refs FTD-TT-63-688 (p. 75-84).
Order from OTS, SLA, or ETC $9.10 in TT-64-13319 (p. 75-84)

Unedited rough draft trans. of B[elorusskii] P[olitekhnicheskii] I[nstitut]. Sbornik Nauchnykh Rabot (USSR) 1960, v. 82 [p. 137-143]. (Abstract available)

Mikhalevich, P. F. and Yagovdik, N. K.
THE POSSIBILITY OF OBTAINING POROUS MATERIALS FROM VARIOUS BELORUSSIAN CLAYS. 7 Nov 63, 18p 5refs FTD-TT-63-688 (p. 58-74).
Order from OTS, SLA, or ETC $9.10 in TT-64-13319 (p. 58-74)

Unedited rough draft trans. of B[elorusskiĭ] P[olitekhnicheskii] I[nstitut]. Sbornik Nauchnykh Rabot (USSR) 1960, v. 82 [p. 126-136]. (Abstract available)

Pasynkov, R.E. and Vinogradov, V.V.
MATÉRIAUX PIEZOCÉRAMIQUES STABILISÉS (Stabilizovannye P'ezokeramicheskie Materialy) (Stabilized Piezoceramic Substances). 15p. (foreign text included) 1ref. CNRS-X 454.
Order from OTS, ETC or CNRS $1.60 TT-62-29103

Trans. in French of #Akademiya Nauk SSSR. Izvestiya, Seriya Fizicheskaya, 1957, v.21, no.3, p.450-454.

Sharai, V. N.
THE STUDY OF CRYSTALLIZATION IN GLASSES OBTAINED FROM LOW-MELTING CLAYS. 7 Nov 63, 12p 5refs FTD-TT-63-688 (p. 1-12).
Order from OTS, SLA, or ETC $9.10 in TT-64-13319 (p. 1-12)

Unedited rough draft trans. of B[elorusskii] P[olitekhnicheskii] I[nstitut]. Sbornik Nauchnykh Rabot (USSR) 1960, v. 82 [p. 86-93]. (Abstract available)

Thelen, A. and König, H.
REDUCING THE REFLECTION FROM ELECTRICALLY CONDUCTIVE GLASS SURFACES. [1963] 7p 10refs
Order from SLA $1.10 TT-64-10913

Trans. from mono. Ergebnisse der Hochvakuumtechnik und der Physik Dünner Schichten, Stuttgart, 1957, p. 237-240.

Zhunina, L. A. and Ermolenko, N. N.
ELABORATION OF COMPOSITIONS OF LEAD-FREE CRYSTAL. 7 Nov 63, 8p 12refs FTD-TT-63-688 (p. 13-20).
Order from OTS, SLA, or ETC $9.10 in TT-64-13319 (p. 13-20)

Unedited rough draft trans. of B[elorusskii] P[olitekhnicheskii] I[nstitut]. Sbornik Nauchnykh Rabot (USSR) 1960, v. 82 [p. 94-99].

Zhunina, L. A., Mikhlyukov, E. I., and Kusonskii, G. G.
USE OF LOW-MELTING CLAY IN THE PRODUCTION OF CONTAINERWARE. 7 Nov 63, 15p 13refs FTD-TT-63-688 (p. 21-34).
Order from OTS, SLA, or ETC $9.10 in TT-64-13319 (p. 21-34)

Unedited rough draft trans. of B[elorusskii] P[olitekhnicheskii] I[nstitut]. Sbornik Nauchnykh Rabot (USSR) 1960, v. 82 [p. 100-111].

Fuels, Lubricants, and Hydraulic Fluids

ADDITIVES FOR THE IMPROVEMENT OF MOTOR FUELS. [1963] 1p
Order from OTS, SLA, or ETC $1.10 TT-64-14670

Trans. of [German] Patent application A 44,278, cl. 23b, gr. 4, submitted 23 Feb 25, pat. 5 Aug 26, by I. G. Farben Industrie, A. G.

COAL CARBONIZATION: SELECTED ARTICLES. I. Dmowski, tr. 1963 [41p] 28refs PL-480 Int.
Order from OTS $0.50 TT-61-31319

Trans. of Koks, Smola, Gaz (Poland) 1957 [v. 2] no. 1, p. 12-16; no. 6, p. 294-299; Prace Instytutow Hutniczych (Poland) 1959, v. 11, p. 229-234.

Separate entries have been prepared for the individual articles.

IGNITION IMPROVER "KEROBRISOL" [1963] [11p]
Order from SLA $1.60 TT-64-14379

Trans. of unidentified mono. (rept. of] Badische Anilin-und Soda-Fabrik A.G., Ludwigshafen (West Germany) 1954-55?

MOTOR FUELS CONTAINING KNOCK RESISTING UNSATURATED HYDROCARBONS. [1963] 4p
Order from OTS, SLA, or ETC $1.10 TT-64-14669

Trans. of unidentified patent no. 27,141 [to] the National Benzol Association, submitted 2 Apr 27, pub. 24 Jul 30.

Avico, G. and Tcherkezoff, G.
PHOSPHORUS IN DOPES FOR LUBRICANTS. [1963] 15p (refs formulae omitted)
Order from SLA $1.60 TT-64-14677

Trans. of Rev[ue de l'']Inst[itut] Franç[ais du] Pétrole [et Annales des Combustibles Liquides] 1954, v. 9, no. 2, p. 51-66.

Belkevich, P.I. and Chistova, L.R.
CHIMIE ET TECHNOLOGIE CHIMIQUE DE LA TOURBE (Chemistry and Chemical Technology of Peat). 21p. 14refs. CNRS-VIII bis 473.
Order from OTS, ETC or CNRS $2.60 TT-62-26646

Trans. in French of Akademiya Na[vuk BSSR, Minsk]. Instytut Torfa. Trudy, 1957, v. 6, p. 130-141.

Graham, R. and Lewis, A.
FUELS FOR INTERNAL COMBUSTION ENGINES. [1963] 11p
Order from OTS, SLA, or ETC $1.60 TT-64-14673

Trans. of Belgian patent 500535, appl. filed 11 Jan 51, issued 31 Jan 51 [to] Shell Refining and Marketing Company, Limited (pat. filed in Gt. Brit. 13 Jan and 1 Nov 50).
Another trans. is available from LC or SLA mi$1.90, ph$1.80 as TT-59-12310, 17 Nov 58, 9p.

Hagemann, August.
PROCESS FOR THE PREPARATION OF EASILY-IGNITING DIESEL FUELS FROM COAL-TAR OIL. [1963] 6p
Order from OTS, SLA, or ETC $1.10 TT-64-14697

Trans. of German patent 612,073, cl. 23b, gr 4_{01} H 127363 IV c/23b, pat from 16 Jun 31, issued 15 Apr 35, released 21 Mar 35.

Helmore, William.
PROCEDURE FOR THE PREPARATION OF A FUEL FOR COMBUSTION ENGINES WITH COMPRESSION PRIMING. [1963] 4p
Order from OTS, SLA, or ETC $1.10 TT-64-14696

Trans. of German patent 564,899, cl. 23b, gr. 4 H 126140 IV a/23b, pat. from 26 Mar 31, issued 24 Nov 32, released 10 Nov 32.

Kopytov, V. F.
THE WORK OF THE UkSSR ACADEMY OF SCIENCES INSTITUTE FOR THE UTILIZATION OF GAS. Feb 64, 5p
Order from HMSO $0.77, $9.86/year in NLL Translation Bulletin, 1964, v. 6, no. 2 (p. 122-126)

Trans. of Gazovaya Promyshlennost' (USSR) 1963 [v. 8] no. 9, p. 28-29.

Leclere, Francois-Marie-Charles-Albert.
PROCESS FOR THE IMPROVEMENT OF FUELS FOR EXPLOSION ENGINES. [1963] 4p
Order from OTS, SLA, or ETC $1.10 TT-64-14694

Trans. of French patent no. 705,664, gr. 14, cl. 4, appl. 5 Feb 30, granted 16 Mar 31, pub. 11 Jun 31.

Leroy, Maurice.
PROCESS FOR THE IMPROVEMENT OF FUELS FOR EXPLOSION OF INTERNAL COMBUSTION ENGINES. [1963] 4p
Order from OTS, SLA, or ETC $1.10 TT-64-14690

Trans. of French patent no. 710,496, gr. 15, cl. 3, appl. 21 Jan 31, granted 8 Jun 31, pub. 24 Aug 31 (pat. appl. settled in Germany 1 May 30).

Petrenko, I. G.
ISOTOPIC MOLECULES OF THE BASIC PRODUCTS OF COMBUSTION AND GASIFICATION OF FUELS
H. M. Tomlinson, tr. Mar 61 [16p] 10refs
NP-tr-808 [DSIR NLL M.4645].
Order from OTS, SLA, or ETC $1.60 TT-64-13870

Trans. of [Akademiya Nauk SSSR]. Institut Goryuchikh Iskopaemykh. Trudy, 1959, v. 11, p. 30-38.

Sokolik, A. S. and Basevich, V. Ya.
THE KINETIC NATURE OF SELF-IGNITION IN DIESEL ENGINES. [1964] 26p (figs omitted) 4refs
Order from OTS, SLA, or ETC $2.60 TT-64-14935

Trans. of [Zhurnal Fizicheskoi Khimii] (USSR) 1954, v. 28, no. 11, p. 1935-1949.

Tamasi, Zoltan.
QUANTITATIVE DETERMINATION OF THE TETRAETHYLLEAD CONTENT OF GASOLINE. [1964] 14p
Order from K-H $8.40 K-H-12377

Trans. of Magyar Kemikusok Lapja (Hungary) 1962 [v. 17] no. 3, p. 140-143.

Terres, Ernst, Fischer, Karl, and Sasse, Ernst.
DEPARAFFINATION OF MINERAL OILS WITH SELECTIVE SOLVENTS. [1963] 23p (figs omitted)
Order from SLA $2.60 TT-64-10282

Trans. of Brennstoff-Chem[ie] (West Germany) 1949, v. 30 [no. 17/18] p. 285-299. (Abstract available)

Wilke, W.
LEADED GASOLINES WITH ADDITIVES. [1964] 19p (figs omitted) 24refs
Order from SLA $1.60 TT-64-14897

Trans. of ATZ; Automobiltechnische Zeitschrift (West Germany) 1954, v. 56, no. 7, p. 169-173.

Zorn, Herrmann.
SOME SCIENTIFIC PRINCIPLES OF MODERN LUBRICANT CHEMISTRY. [1964] [12p] (figs tables omitted) 6refs
Order from SLA $1.60 TT-64-14939

Trans. of [Erdöl und Kohle-Erdgas-Petrochemie] (West Germany) 1955, v. 8 [no. 6] p. 414-419.
Another trans. is available from SLA as TT-57-03442, 13p.

Leather and Textiles

Assinger, Albert and Bergmann, Karl.
METHOD AND DEVICE FOR NAP FORMATION ON FELT TRACKS. Jan 64, 800words
Order from LSA $10.00

Trans. of Austrian patent 149,470, 10 May 37.

Enders, H. and Wiest, H. [K.]
FLUORCARBON POLYMERS IN TEXTILE FINISHING. Jan 64, 11, 850words
Order from LSA $120.00

Trans. of Textil-Rundschau (Switzerland) 1961, v. 16, p. 531-560.
Another trans. is available from ATS $38.75 as ATS-96P62G [1962] 40p.

Goisis, Mario.
SYSTEM AND RELATED DEVICES FOR INSTANTANEOUS INDICATION OF THE LENGTH OF THE STITCH BEING FORMED IN FLAT KNITTING MACHINES. 4 Mar 64, 11p (figs omitted)
Order from OTS, SLA, or ETC $1.60 TT-64-15131

Trans. of Italian patent 582,349, cl. D 04b, filed 30 Dec 57, granted 20 Sep 58.

Heim, Ernst.
ON THE POSSIBILITIES OF CHARACTERIZING NYLON 6 BY VISCOSITY MEASUREMENTS IN 90% FORMIC ACID. Jan 64, 5450words
Order from LSA $50.00

Trans. of Faserforschung und Textiltechnik (East Germany) 1960, v. 11, no. 11, p. 513-523.

Menchi, Benito.
AUTOMATIC DEVICE FOR SIGNALING THE LENGTH OF A MANUFACTURED ARTICLE OF FABRIC IN KNITTING MACHINES, AND FOR EFFECTING CONTROL OPERATIONS AS REQUIRED
P. C. C., tr. 19 Feb 64, 6p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-15132

Trans. of Italian patent no. 543,096, cl XIX, appl. 4 Oct 55, granted 14 May 56, printed Jun 57.

Nosek, Stanislav.
THEORY OF FABRIC STRENGTH. II. COEFFICIENT OF LATERAL CONTRACTION. Jan 64, 3000words
Order from LSA $31.00

Trans. of Faserforschung und Textiltech[nik] (East Germany) 1961, v. 12, no. 5, p. 395-401.

Onishi, Isao.
SEPARATION OF FIBERS EMPLOYING SUPERSONIC OSCILLATION. [1963] 4p
Order from OTS, SLA, or ETC $1.10 TT-64-14476

Trans. of [published] Japanese patent 1955-2151, appl. 1953-5239, 26 Mar 53, announced 30 Mar 55, by Japan Monopoly Corp.
Another trans. is available from K-H $5.00 as K-H-11252 [1962].

Probulski, Zdzislaw.
ELABORATION OF ASSORTMENTS OF THREADS MADE OF POLISH FLAX FOR SEWING JUTE SHOES (Opracowanie Asortymentow nici z Lnu Krajowego do Szycia Obuwia Juchtowego) M. Rojowska, tr. 1963 [22p] 5refs PL-480 Agr.
Order from OTS $0.50 TT-61-31269

Trans. of Instytut Przemyslu Wlokien Lykowych. Prace (Poland) 1958, v. 6, p. 91-105.

Rothschild, D.
ELECTRONIC DEVICES FOR MEASURING FIBER TENSION AND FRICTIONAL COEFFICIENTS. 20 Jun 63 [15p]
Order from SLA $1.60 TT-64-10918

Trans. of Textil-Rundschau (Switzerland) 1963, v. 18, no. 3, p. 117-124.

Tomioka, Kenji and Murayama, Kenji.
METHOD OF MANUFACTURING POLYOLEFINES HAVING GOOD DYEING PROPERTY. Feb 64, 10p
Order from SA $19.00 SA Code-P-236

Trans. of published Japanese patent 2388/1963, cl. 26-B-11 (136-G-22) (26-B-022) (48-B-02) appl. 4141/1961, 14 Feb 61, pub. 20 Mar 63, by Toyo Rayon Co., Ltd. (Abstract available)

Yamamoto, Yu.
A METHOD TO INCREASE THE DYEABILITY OF POLYOLEFIN FIBERS. Mar 64, 5p 1ref
Order from SA $16.00 SA Code-P-267

Trans. of published Japanese patent 188/1962, cl. 48-B-02, appl. 22811/1959, 16 Jul 59, pub. 20 Jan 62, by the President of Kogyogijutsuin.

Zimmermann, Heinz.
CHEMICAL INVESTIGATIONS OF FIBER-FORMING POLYESTERS. I. THERMAL STABILIZATION OF POLYETHYLENE TEREPHTHALATE. [1963] 10p (figs tables omitted) 23refs
Order from SLA $1.10 TT-63-20983

Trans. of Faserforschung und Textiltechnik (East Germany) 1962 [v. 13] p. 481-490.

Paints and Finishes

Chupeev, M. A. and Trapeznikov, A. A.
EFFECT OF FILM-FORMERS AS SURFACE ACTIVE AGENTS IN PIGMENT GRINDING PROCESSES. Mar 64
Order from TTIS $12.00 TTIS NS 179

Trans. of Lakokrasochnye Mat[erialy i Ikh Primenenie] (USSR) 1963, no. 1, p. 30-33.

Eermolaeva, T. A. [Abramson, D. L., and Anufrieva, N. S.].
MODIFICATION OF ANATASE TITANIUM DIOXIDE IN ORDER TO IMPROVE ITS PHYSICO-TECHNICAL PROPERTIES. Mar 64
Order from TTIS $9.00 TTIS NS 180

Trans. of Lakokrasochnye Mat[erialy i Ikh Primenenie] (USSR) 1963, no. 1, p. 36-38.

[G]omozova, V. G. and others.
STUDY OF THE PROPERTIES OF SEED SOLS AND TITANIUM HYDROXIDE OBTAINED BY THE SULPHURIC ACID METHOD. Mar 64
Order from TTIS $14.00 TTIS NS 178

Trans. of Lakokrasochnye Mat[erialy i Ikh Primenenie] (USSR) 1963, no. 1, p. 26-30.

Lekakh, N. B. and Galinker [I] S.
THE PROBLEM OF THE NATURE OF TITANYL SULPHATE SOLUTIONS. Mar 64
Order from TTIS $18.00 TTIS NS 183

Trans. of Lakokrasochnye Mat[erialy i Ikh Primenenie] (USSR) 1963, no. 5, p. 24-26.

Sorokin, M. F. and Khinchina, E. L.
SYNTHESIS OF COPOLYMERS OF ALLYL GLYCIDYL ETHER WITH BUTYL METHACRYLATE. Mar 64.
Order from TTIS $27.00 TTIS NS-181

Trans. of Lakokrasochnye Mat[erialy i Ikh Primenenie] (USSR) 1963, no. 4, p. 5-10.

Sorokin, M. F. and Kochnov, I. M.
SYNTHESIS OF COPOLYMERS OF GLYCIDYL METHACRYLATE AND STYRENE IN SOLVENTS AND THE PREPARATION OF COATINGS BASED ON THEM. Mar 64
Order from TTIS $18.00 TTIS NS 182

Trans. of Lakokrasochnye Mat[erialy i Ikh Primenenie] (USSR) 1963, no. 4, p. 10-15.

Thayer, F. D., Jr.
METHOD FOR THE PREPARATION OF AN AMYLACEOUS COMPOSITION HAVING A REDUCED SOLUBILITY IN WATER. [1963] 9p (tables omitted)
Order from OTS, SLA, or ETC $1.10 TT-63-20843

Trans. of French patent 1,323,780, 4 Mar 63, PV no. 890,916, internat. cl. C 08 b (filed 13 Mar 62, US convention 13 Mar 61 as no. 94,982) by Corn Products, USA (pub. in Bulletin Officiel de la Propriete Industrielle (France) 1963, no. 15).

Photographic Materials

Bogomolov, K. S. and Fomina, I. A.
THERMAL RELATIONSHIP OF THE SENSITIVITY OF PHOTOGRAPHIC EMULSIONS TO ELECTRONS. [1963] 3p 2refs
Order from OTS, SLA, or ETC $1.10 TT-64-14442

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii (USSR) 1963, v. 8, no. 4, p. 311-312.

Chibisov, K. V. and Karpova, A. L.
INVESTIGATION OF THE PHOTOGRAPHIC ACTIVITY OF GELATINE. [1963] [17p] 7refs
Order from OTS, SLA, or ETC $1.60 TT-64-14777

Trans. of Vsesoyuznyi Nauchno-Issledovatel'skii Kinofotoinstitut. Trudy (USSR) 1961, no. 42, p. 35-43.

Fuchs, Erwin,
THE HARDENING OF GELATINE, PARTICULARLY IN PHOTO-MATERIALS. [1964] 22p
Order from SLA $2.60 TT-64-14776

Trans. of Adhäsion (West Germany) 1961 [v. 5] no. 5, p. 225-230.

Glockner, Hans and Proeschel, Ernst.
PROCESS FOR THE DEVELOPING OF PHOTOGRAPHIC SILVER CHLORIDE OR SILVER CHLORIDE BROMIDE EMULSIONS FOR PURPOSES OF REPRODUCTION. [1963] 3p
Order from OTS, SLA, or ETC $1.10 TT-63-20844

Trans. of German patent 1,141,531, appl. pub. and Auslegeschrift issued 20 Dec 62, appl. 24 Jan 62, by Perutz Photowerke G. m. b. H. (Abstract available)

Hamisch, H. and Binkele, L.
HIGH RESOLUTION FIXATION OF ELECTRON- AND ION-OPTICAL PICTURES BY CROSSLINKING ORGANIC SUBSTANCES. [1963] 12p 12refs
Order from SLA $1.60 TT-64-14587

Trans. of Zeitschr[ift für] Angew[andte] Physik (West Germany) 1963, v. 16, no. 3, p. 145-150. (Abstract available)

Levi, S. M., Tsvetkov, G. M., Khazan, S. M., and Peisakhov, V. I.
NEW METHODS OF COATING EMULSION AND AUXILIARY LAYERS ON FLEXIBLE BASES. [1964] [27p] 17refs
Order from OTS, SLA, or ETC $2.60 TT-64-14779

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii (USSR) 1962, v. 7, no. 3, p. 209-218. Another trans. is available on loan from SLA as TT-63-[illegible]0073, 21p.

Schwerin, Andre K. and Evans, Helene, D.
METHOD OF PRODUCING PHOTOGRAHPIC POLYMERIC RESIST IMAGES. [1963] 10p
Order from OTS, SLA, or ETC $1.10 TT-63-20845

Trans. of published Japanese patent 10244-63, 25 Jun 63, patent appl. 35503-61, 4 Oct 61 (priority claimed 10 Oct 60, USA) by General Aniline and Film Corp., USA.

Solov'ev, S. M. and Parfenova, N. M.
A METHOD OF OBTAINING HYPERSENSITIZED PHOTOGRAPHIC EMULSIONS. 10 Feb 64 [3p] FTD-TT-63-1006.
Order from OTS, SLA, or ETC $1.10 TT-64-15111

Unedited rough draft trans. of Russian patent no. 118405, appl. no. 367802, 26 Mar 49.

Plastics

METHOD FOR MANUFACTURING OF MOLDED ARTICLES FROM POLYMETHACRYLIC ACIDMETHYL ESTERS. Jan 64, 1350words
Order from LSA $12.00

Trans. of German patent 733,574, 25 Feb 43.

PROCESS FOR THE MANUFACTURE OF LINEAR POLYAMIDES WITH HIGH DEGREES OF POLYMERIZATION. [1964] 8p
Order from OTS, SLA, or ETC $1.10 TT-64-14924

Trans. of French patent 873,983, gr. 14, cl. 8, by I. G. Farbenindustrie Aktiengesellschaft, appl. 16 Jul 41, granted 13 Apr 42, pub. 24 Jul 42 (pat. appl: Germany, 29 Aug 39).

PROCESS FOR THE PREPARATION OF POLYAMIDES. [1963] 6p
Order from OTS, SLA, or ETC $1.10 TT-64-14671

Trans. of French patent 885,694, gr. 14, cl. 8, by BATA, Inc., appl. 3 Sep 42, granted 7 Jun 43, pub. 22 Sep 43 (appl. in Germany 15 Sep 41).

PROCESS FOR THE PRODUCTION OF FLEXIBLE FILMS (PELLICLES). [1963] 6p
Order from OTS, SLA, or ETC $1.10 TT-63-20840

Trans. of French patent 1,323,589, 4 Mar 63, PV no. 888,974, internat. cl. B 29 d - B 65 d, appl. 23 Feb 62 (appl. filed in Great Britain no. 6,917/1961, 24 Feb 61 and 18 Feb 62) by British Cellophane Ltd. (pub. in Bulletin Officiel de la Propriete Industrielle (France) 1963, no. 15).

PRODUCTION OF POLYMERS OF HIGH DEGREE OF POLYMERIZATION. Jan 64
Order from LSA $12.00

Trans. of Japanese patent [publication] 15930/62.

Bauer, W.
SYNTHETIC RESIN. Jan 64, 1050words
Order from LSA $10.00

Trans. of German patent 656,642, 26 Apr 38.

Breil, Heinz and Ziegler, Karl.
PROCESS FOR POLYMERIZATION OF ETHYLENE. Feb 64, 12p 3refs
Order from SA $19.00 SA Code-P-265

Trans. of Japanese patent 253,649, published pat. 8446/1957, cl. 26-B-11, appl. 21723/1955, 13 Aug 55, pub. 30 Sep 57, by Karl Ziegler (Priority claimed: 13 Aug 54 and 14 Aug 54, Germany). (Abstract available)

Bua, E. and Luciani, L.
PROCESS FOR PREPARATION OF CRYSTALLINE ALPHA-OLEFIN POLYMERS AND PRODUCTS OBTAINED BY THIS PROCESS
P. C. C., tr. 12 Feb 64, 11p (fig omitted)
Order from OTS, SLA, or ETC $1.60 TT-64-13780

Trans. of Belgian patent 551,905, appl. 18 Oct 56, granted 18 Apr 57, pub. 31 Dec 59, by Montecatini, Società Generale per l'Indutria Mineraria e Chimica, Italy and K. Ziegler (Priority claimed: 19 Oct 55, by Société Montecatini, Società Generale per l'Industria Mineraria e Chimica, Italy and K. Ziegler). (Abstract available)

Bua, Ettore, Luciani, Luciano, and Negromanti, Alessandro.
PROCESS FOR THE MANUFACTURE OF CRYSTALLIZABLE HIGH POLYMERS OF OLEFINS IN THE PRESENCE OF VOLATILE SOLVENTS. Jan 64, 1600words
Order from LSA $15.00

Trans. of Italian patent 554,015, 5 Jan 57.

Ebersbach, Hans-Walter and Michl, Karl-Heinz.
INTERNALLY PLASTICIZED POLYVINYL CHLORIDE: CONTRIBUTION TO THE PROBLEM OF THE SHOCK RESISTANT PVC. [1964] 13p
Order from K-H $7.80 K-H-12798

Trans. of Kunststoffe (West Germany) 1959, v. 49 [no. 10] p. 513-516.
Another trans. is available from SLA $1.60 as TT-63-14186 [1963] 11p.

Fujii, Kiyoshi, Imoto, Saburo, Ukita, Junji, Matsumoto, Shoichi.
METHOD OF MANUFACTURING HIGH-CRYSTALLINE POLYVINYL FORMATE. Feb 64, 14p
Order from SA $16.00 SA Code-P-260

Trans. of published Japanese patent 17386/1962, cl. 26-B-131, appl. 37475/1960, 9 Sep 60, pub. 25 Oct 62, by Kurashiki Rayon Co., Ltd. (Abstract available)

Furukawa, Junji, Saegusa, Takeo, Tsuruta, Teiji, and Fujii, Hiroyasu.
NEW METHOD OF POLYMERIZING ALDEHYDE. Mar 64, 14p
Order from SA $16.00 SA Code-P-271

Trans. in manuscript of published Japanese patent 18644/1962, cl. 26-C-118 (13-F-151) appl. 39908/1959, 23 Dec 59, pub. 10 Dec 62, by Foundation Juridical Person of Japan Chemical Fiber Research Institute, Kyoto Univ. (Abstract available)

Furukawa, Junji, Yamashita, Sinzo, and Okamoto, Hiroshi.
METHOD FOR MANUFACTURING ISOCYANATE-CYCLIC IMINE COPOLYMERS. [1963] 4p
Order from OTS, SLA, or ETC $1.10 TT-64-14356

Trans. of Japanese patent [publication] 38-4692 (4692/63) appl. no. 36-829 (829/61) 11 Jan 61, pub. 25 Apr 63, by Toyo Rubber Ind. Co., Ltd. (Abstract available)

Hamada, Famiyuki.
THERMAL DEGRADATION OF POLYPROPYLENE. Jan 64
Order from LSA $20.00

Trans. of Kobunshi Kagaku (Japan) 1962, v. 19, no. 207, p. 402-406.

Hultzsch, K.
OIL REACTIVITY OF PHENOLIC RESINS. Jan 64, 2780words
Order from LSA $25.00

Trans. of Kunststoffe (West Germany) 1947, v. 37, no. 2/3, p. 43-45.

Isojima, Toshizo, Yamamoto, Ren, Ichikawa, Akira, Ichinoe, Yoshiyuki, and Hamamura, Tei.
POLYOLEFIN COMPOSITES. Feb 64, 14p
Order from SA $19.00 SA Code-P-229

Trans. in manuscript of published Japanese patent 1216/1963, cl. 25-H-311 (25-H-05) (25-A-13) appl. 7957/1961, 8 Mar 61, pub. 19 Feb 63, by Mitsubishi Rayon Co., Ltd.

Joyner, J. B. and Coover, H. W., Jr.
NEW POLYPROPYLENE COMPOSITION CHARACTERIZED BY HIGH SHOCK RESISTANCE. Jan 64, 1985words
Order from LSA $17.50

Trans. of Belgian patent 601,857, 28 Mar 60.

Kojo, Kosuke, Shimizu, Takuji, and Yamagami, Tetsuo.
METHOD OF MANUFACTURING RESIN FILM HAVING HYDROPHILE PROPERTY. Mar 64, 15p
Order from SA $16.00 SA Code-P-273

Trans. in manuscript of published Japanese patent 4544/1956, cl. 25-H-3, appl. 5359/1954, 19 Mar 54, pub. 14 Jun 56, by Monsanto Chemical and Synthetic Industry Co., Ltd. (Abstract available)

Majer, J.
SECONDARY CRYSTALLIZATION OF POLYPROPYLENE. 21 Oct 63 [6p] 10refs
Order from SLA $1.10 TT-64-10925

Trans. of Kunststoff-Rundschau (West Germany) 1963, v. 10, p. 9-11.

Matsumoto, Toyoichi, Ohara, Saburo, and Sakurai, Hisako.
PROCESS FOR POLYMERIZATION OF TRIOXANE. Feb 64, 9p
Order from SA $19.00 SA Code-P-257

Trans. of published Japanese patent 17394.1962, cl. 26-C-118.1 (136-G-21) appl. 40627/1960, 28 Sep 60, pub. 25 Oct 62, by Kanegabuchi-Boseki Co., Ltd. (Abstract available)

Meissner, J.
INVESTIGATIONS ON THE RHEOLOGICAL PROPERTIES OF MOLTEN POLYETHYLENE, USING THE CAPILLARY VISCOMETER. [1964] 17p 14refs
Order from SLA $1.60 TT-64-14891

Trans. of Materialprüfung (West Germany) 1963, v. 5, no. 3, p. 107-113.
A reprint trans. is available from SLA $1.60 as TT-64-10183 [1963].

Natta, G.
HIGH-MELTING LINEAR POLYETHYLENES AND PROCESS FOR THEIR PRODUCTION. Jan 64.
Order from RIS $36.00 RIS-96839
Polyolefins Set $750.00

Trans. of Belgian patent 553 277, by Montecatini, Milan, Dec 56. (Abstract available)

Natta, G. and others.
HIGH-MOLECULAR WEIGHT COPOLYMERS OF α-OLEFINS WITH DIOLEFINS AND PROCESS FOR THEIR PRODUCTION. Jan 64.
Order from RIS $34.00 RIS-96635
Polyolefins Set $750.00

Trans. of Belgian patent 546 150, by Montecatini, Milan, Mar 56. (Abstract available)

Natta, G. and others.
IMPROVEMENTS IN THE POLYMERIZATION OF ETHYLENE. Jan 64.
Order from RIS $17.00 RIS-96905
Polyolefins Set $750.00

Trans. of Belgian patent 559 497, by Montecatini, Milan, Jul 57. (Abstract available)

Natta, G. and others.
PRODUCTION OF CRYSTALLINE POLYOLEFINS IN ABSENCE OF SOLVENTS. Jan 64.
Order from RIS $26.00 RIS-96779
Polyolefins Set $750.00

Trans. of Belgian patent 551 276, by Montecatini, Milan, Sep 56.

Nose, Akira.
A PROCESS FOR MANUFACTURING IMITATION LEATHER CLOTH BY BLENDING POLYACRYLONITRILE SOLUTION AND POLYVINYL CHLORIDE PLASTISOL. Feb 64, 3p
Order from SA $16.00 SA Code-P-233

Trans. of published Japanese patent 2736/1963, cl. 25-N-18 (25-H-351) appl. 31177/1960, 15 Jul 60, pub. 29 Mar 63, by Shibata Rubber Industry Co., Ltd. (Abstract available)

Nose, Akira.
A PROCESS FOR MANUFACTURING IMITATION LEATHER CLOTH BY BLENDING POLYVINYL CHLORIDE RESIN AND HIGH MOLECULAR WEIGHT POLYAMIDE RESIN. Feb 64, 3p
Order from SA $16.00 SA Code-P-232

Trans. of published Japanese patent 2735/1963, cl. 25-N-18 (27-E-23) (25-H-351) appl. 31176/1960 15 Jul 60, pub. 29 Mar 63, by Shibata Rubber Industry Co., Ltd. (Abstract available)

Schlack, Paul.
A METHOD FOR THE MANUFACTURE OF HIGH MELTING PRODUCTS FROM POLYAMIDES HAVING A HIGH MODULUS OF ELASTICITY. [1964] 7p
Order from OTS, SLA, or ETC $1.10 TT-64-14922

Trans. of German patent 865 774, cl. 29b, gr. 3_{60} (K 7189 IV c/29b) by Bobingen Artificial Silk Manufacturing Co., pat. beginning 20 Oct 44 (interval from 8 May 45-7 May 50 inclusive will not be considered regarding duration of pat.) appl. pub. 5 Jun 52, grant pub. 18 Dec 54.

Schröder, Elisabeth and Rudolph, Gudrun.
CONTRIBUTIONS TO THE ANALYTICAL CHEMISTRY OF PLASTICS. XX. DETECTION AND DETERMINATION OF PHENOLIC ANTIOXIDANTS IN POLYETHYLENE (Beiträge zur Analytischen Chemie XX Nachweis und Bestimmung Phenolischer Antioxydantien in Polyäthylen). 5 Dec 63 [14p] 20refs
Order from SLA $1.60 TT-64-10929

Trans. of Plaste u[nd] Kautschuk (East Germany) 1963, v. 10, no. 1, p. 22-24.

Shinohara, Y[asuo] and Tsuda, T[eizo].
IMPROVEMENT IN THE DYEABILITY OF POLYOLEFINS. Jan 64, 1260words
Order from LSA $12.85

Trans. of Japanese patent [publication] 9836/62 [cl. 26-B-11 (42-D-21) (136-G-22) (48-B-02) appl. no. 3002/1960, filed 3 Feb 60] pub. 31 Jul 62 [by Toyo Rayon Co.].
Another trans. is available from SA $16.00 as SA Code-P-193, Jul 63, 6p.

Waddon, Duffer Jusaf and Stewart, David Gordon.
METHOD OF MANUFACTURING ALKYLENE OXIDE POLYMER BY USING BORON COMPOUND AS A POLYMERIZING CATALYST: DETAILED EXPLANATION OF THE INVENTION. Mar 64, 6p
Order from SA $16.00 SA Code-P-275

Trans. of published Japanese patent 15394/1960, cl. 26-C-0, appl. 30571/1959, 25 Sep 59, pub. 14 Oct 60, by Peterochemical Ltd, London (priority claimed: 26 Sep 58, England). (Abstract available)

Wichterle, O., Kralicek, J. and Sebenda, J.
PROCÉDÉ DE FABRICATION DE MOULAGES EN POLYCAPROLACTAME (Process of Manufacture of Polycaprolactam Casting) 7p. CNRS-VI 932.
Order from OTS, ETC or CNRS $1.10 TT-63-26926

Trans. in French of Czechoslovakian patent application 97 333, filed 23 Nov 57, pub 15 May 60.

Wichterle, O., Sebenda, J. and Kralicek, J.
PROCÉDÉ ET APPAREIL DE POLYMÉRISATION RAPIDE ET CONTINUE DU 6-CAPROLACTAME, AVEC MISE EN FORME DU POLYMÈRE FORME (Continuous Polymerization of 6-Caprolactum). 8p CNRS-VI 931.
Order from OTS, ETC or CNRS $1.10 TT-63-26945

Trans. in French of Czechoslovakian patent application 97 332, filed 15 Apr 59, pub. 15 May 60.

Zhivukhin, S. M., Tolstoguzov, V. B., and Kireev, V. V.
SYNTHESIS OF POLYMERIC POLYDIOXYARYLENE-PHOSPHONITRYLATES. 17 Feb 64 [13p] 6refs FTD-TT-63-1101.
Order from OTS, SLA, or ETC $1.60 TT-64-15115

Unedited rough draft trans. of Plasticheskie Massy (USSR) 1963, no. 7, p. 24-28.

[Ziegler, Karl].
ACTIVATION OF OLEFIN POLYMERIZATION BY METAL-ORGANIC COMPOUNDS [Verfahren zur Polymerisation und Mischpolymerisation von Olefinen]. Jan 64 [24p]
Order from RIS $35.00 RIS-96262
Polyolefins Set $750.00

Trans. of German patent 878 560, Apr 53. (Abstract available)

[Ziegler, Karl].
ACTIVATION OF OLEFIN POLYMERIZATION BY METAL-ORGANIC COMPOUNDS [Verfahren zur Polymerisation und Mischpolymerisation von Olefinen]. Jan 64 [4p]
Order from RIS $6.00 RIS-96263
Polyolefins Set $750.00

Trans. of German patent 889 229, Jul 53, supplement to pat. 878 560. (Abstract available)

Ziegler, Karl.
BLOCK POLYMERS OF α-OLEFINS AND PROCESS FOR THEIR PRODUCTION. Jan 64.
Order from RIS $40.00 RIS-96752
Polyolefins Set $750.00

Trans. of Belgian patent 550 093, by Montecatini, Milan, Aug 56. (Abstract available)

Ziegler, Karl.
CONVERSION OF ETHYLENE INTO OLEFINIC POLYMERS. Jan 64.
Order from RIS $26.50 RIS-96482
Polyolefins Set $750.00

Trans. of Italian patent 516 436, Feb 55. (Abstract available)

Ziegler, Karl.
LOW-PRESSURE PROCESS FOR POLYMERIZATION OF PROPYLENE AND APPLICATIONS OF THE "END-TO-END" POLYMERS SO OBTAINED. Jan 64.
Order from RIS $85.00 RIS-96480
Polyolefins Set $750.00

Trans. of Belgian patent 538 782, by Montecatini, Jun 55. (Abstract available)

Ziegler, Karl.
LOW-PRESSURE PROCESS FOR PRODUCTION OF HIGH-MOLECULAR WEIGHT POLYETHYLENES AND CATALYSTS FOR THIS PROCESS [Procédé de Préparation de Polyéthylènes á Poids Moléculaires Elevés Utilisables comme Produits Artificiels, et Catalyseurs pour sa Réalisation]. Jan 64 [21p]
Order from RIS $29.00 RIS-96370
Polyolefins Set $750.00

Trans. of Belgian patent 534 792, Jan 55. (Abstract available)

Ziegler, Karl.
LOW-PRESSURE PROCESS FOR PRODUCTION OF HIGH MOLECULAR WEIGHT POLYETHYLENE USABLE AS PLASTICS MATERIAL. Jan 64 [13p]
Order from RIS $24.00 RIS-96369
Polyolefins Set $750.00

Trans. of Belgian patent 533 362, May 55 [German appls. 17 Nov 53, 15 Dec 53 and 23 Dec 53]. (Abstract available)
Other translations are available from OTS or SLA $1.60 as TT-62-16335, 30 Nov 55, 13p and as TT-63-10871, 30 Nov 55, 13p.

Ziegler, Karl.
NEW CATALYST SYSTEM FOR PRODUCTION OF LINEAR, HIGH-MOLECULAR WEIGHT POLYMERS OF α-OLEFINS. Jan 64.
Order from RIS $42.00 RIS-96902
Polyolefins Set $750.00

Trans. of Belgian patent 558 563, by Montecatini, Milan, Jun 57. (Abstract available)

Ziegler, Karl.
NEW CATALYSTS FOR OLEFIN POLYMERIZATION. Jan 64.
Order from RIS $32.00 RIS-96755
Polyolefins Set $750.00

Trans. of Belgian patent 549 553, by Montecatini, Milan, Jul 56. (Abstract available)

Ziegler, Karl.
NEW CATALYSTS FOR POLYMERIZATION OF PROPYLENE. Jan 64.
Order from RIS $21.00 RIS-96593
Polyolefins Set $750.00

Trans. of Belgian patent 544 576, by Montecatini S.G.p.I., Dec 55. (Abstract available)

Ziegler, Karl.
PROCESS FOR IMPROVING THE MECHANICAL PROPERTIES AND PROCESSING CHARACTERISTICS OF LINEAR HIGH POLYMERS OF PROPYLENE. Jan 64.
Order from RIS $30.00 RIS-96844
Polyolefins Set $750.00

Trans. of Belgian patent 553 174, by Montecatini, Milan, Dec 56. (Abstract available)

Ziegler, Karl.
PROCESS FOR POLYMERIZATION ETHYLENE [Procédé pour la Polymérisation de l'Ethylene]. Jan 64 [26p]
Order from RIS $36.00 RIS-96372
Polyolefins Set $750.00

Trans. of Belgian patent 527 736, Mar 54. (Abstract available)

Ziegler, Karl.
PROCESS FOR PRODUCING HIGH-FUSING POLYMERS OF BRANCHED CHAIN α-OLEFINS. Jan 64.
Order from RIS $28.00 RIS-96751
Polyolefins Set $750.00

Trans. of Belgian patent 549 891, by Montecatini, Milan, Jul 56. (Abstract available)

PROCESS FOR PRODUCING LINEAR, CRYSTALLINE HIGH POLYMERS OF DIOLEFINS. Jan 64.
Order from RIS $46.00 RIS-96634
Polyolefins Set $750.00

Trans. of Belgian patent 545 952, by Montecatini, Milan, Mar 56. (Abstract available)

Ziegler, Karl.
PROCESS FOR PRODUCING POLYETHYLENES OF PREDETERMINED DEGREES OF POLYMERIZATION. Jan 64.
Order from RIS $28.00 RIS-96542
Polyolefins Set $750.00

Trans. of Belgian patent 540 459, Aug 55. (Abstract available)

Ziegler, Karl.
PROCESS FOR PRODUCING PREDOMINANTLY AMORPHOUS POLY-α-BUTENE. Jan 64.
Order from RIS $21.00 RIS-96900
Polyolefins Set $750.00

Trans. of Belgian patent 557 853, by Montecatini, Milan, May 57. (Abstract available)

Ziegler, Karl.
PROCESS FOR PRODUCTION OF HIGH-MOLECULAR WEIGHT POLYETHYLENE AND NEW POLYMERIZATION CATALYSTS [Procédé pour la Préparation de Polyéthylènes de Poids Moléculaires Elevés Utilisables comme Produits Synthétiques et Catalyseurs pour la Mise en Oeuvre de ce Procédé]. Jan 64 [12p]
Order from RIS $20.00 RIS-96371
Polyolefins Set $750.00

Trans. of Belgian patent 543 888, Jan 55. (Abstract available)

Ziegler, Karl.
PROCESS FOR PRODUCTION OF HIGH-MOLECULAR WEIGHT POLYETHYLENES USABLE AS PLASTICS AND CATALYSTS FOR THIS PROCESS. Jan 64.
Order from RIS $22.00 RIS-96866
Polyolefins Set $750.00

Trans. of Belgian patent 543 913, Jan 55, supplement to pat. 534 888, Dec 55. (Abstract available)

Ziegler, Karl.
PROCESS FOR PRODUCTION OF HIGH-MOLECULAR WEIGHT POLYETHYLENES USABLE AS PLASTICS, PRODUCTS OBTAINED BY THIS PROCESS AND CATALYSTS FRR USE IN THIS PROCESS. Jan 64.
Order from RIS $42.50 RIS-96587
Polyolefins Set $750.00

Trans. of Belgian patent 542 658, Nov 55. (Abstract available)

Ziegler, Karl.
PROCESS FOR PRODUCTION OF LINEAR POLYMERS OF AROMATIC VINYL HYDROCARBONS. Jan 64.
Order from RIS $38.00 RIS-96850
Hydrocarbons Set $75.00

Trans. of Belgian patent 555 252, by Montecatini, Milan, Feb 57. (Abstract available)

Ziegler, Karl.
PROCESS FOR REGULATING THE MOLECULAR WEIGHT OF SUBSTANTIALLY LINEAR HIGHLY CRYSTALLINE HEAD-TO-TAIL OLEFIN POLYMERS. Jan 64.
Order from RIS $27.00 RIS-96753
Polyolefins Set $750.00

Trans. of Belgian patent 549 638, by Montecatini, Milan, Jul 56.

Ziegler, Karl.
PROCESS FOR SELECTIVE POLYMERIZATION OF α-OLEFINS INTO CRYSTALLINE OR AMORPHOUS POLYMERS. Jan 64.
Order from RIS $80.00 RIS-96588
Polyolefins Set $750.00

Trans. of Belgian patent 543 259, by Montecatini, Nov 55. (Abstract available)

Ziegler, Karl.
THERMOPLASTIC COMPOUNDS WITH IMPROVED PROPERTIES FROM POLYOLEFINS. Jan 64.
Order from RIS $18.00 RIS-96909
Polyolefins Set $750.00

Trans. of Belgian patent 560 523, by Montecatini, Milan, Sep 57. (Abstract available)

Ziegler, Karl.
TRUE HIGH-MOLECULAR WEIGHT, LINEAR OLEFIN COPOLYMERS AND PROCESS FOR THEIR PRODUCTION. Jan 64.
Order from RIS $55.00 RIS-96848
Polyolefins Set $750.00

Trans. of Belgian patent 553 655, by Montecatini, Milan, Dec 56. (Abstract available)

Wood and Paper

Boucherie, Auguste.
NOVEL METHOD OF INTRAVASCULAR IMPREGNATION OF TIMBER WITH VARIOUS SUBSTANCES
F. H. B., tr. 10 Mar 64, 9p
Order from OTS, SLA, or ETC $1.10 TT-64-15145

Trans. of French patent no. 11,061 (with 1st and 2nd additions) pat. from 23 Mar 1838, valid for 15 years (1st series, v. 80, p. 29-34).

Brecht, W. and Wanka, R.
CONTRACTION OF PAPER IN THE CROSS DIRECTION. Jan 64, 11p (figs omitted) 6refs
Order from SLA $1.60 TT-64-14800

Trans. of das Papier (West Germany) 1963, v. 17, no. 4, p. 141-147.

Fogelberg, B. C. and others.
THE DISTRIBUTION OF SULPHUR IN SULPHITE COOKING. [1963] 2p (figs omitted)
Order from SLA $1.10 TT-64-14805

Trans. of Suomen Kemistilehti (Finland) 1963, v. 36, no. 3, p. A76-A77.

Heimann, M.
PROCESS FOR THE PREPARATION OF PERFORATED PAPER BY MEANS OF PRESSURE ROLLS. Jan 64, 700words
Order from LSA $10.00

Trans. of German patent 15,909, 16 Nov 1881.

Onishi, Isao, Homma, Kyoji, and Shimura, Kimiko.
THE EFFECTS OF ULTRASONIC WAVES ON AQUEOUS SUSPENSION OF FIBERS. PT. 3. CONTINUOUS SEPARATION OF LONG FIBERS BY A METHOD UTILIZING ULTRASONIC WAVES. [1962] 16p 5refs
Order from SLA $1.60 TT-64-14562

Trans. of [Nihon Senbai Kosha Chuo Kenkyusho Kenkyu Hokoku] (Japan) 1954, v. 90, p. 142-149. Another trans. is available from K-H $20.00 as K-H-11436-g [1962] 16p.

Stahn, Richard.
METHOD FOR QUANTITATIVE DETERMINATION OF AIR CONTENT IN VISCOSE. Jan 64, 1630words
Order from LSA $15.00

Trans. of [das] Papier (West Germany) 1961, v. 15, no. 6, p. 229-231.

MATHEMATICS

MATHEMATICAL SOLUTIONS FOR TRANSPORT PROBLEMS. 27 Jan 64, 48p 10refs JPRS: 22919.
Order from OTS $1.25 TT-64-21401

Trans. of Zhurnal Vychislitel'noi Matematiki i Matematicheskoi Fiziki (USSR) 1963, v. 3, no. 6, p. 1089-1111, 1137-1139.

Separate entries have been prepared for the individual articles.

Egorov, Yu. V.
SOME PROBLEMS IN OPTIMUM CONTROL THEORY. 7 Apr 64, 23p 16refs JPRS: 24072; N64-17974.
Order from OTS $0.75 TT-64-31009

Trans. of Zhurnal Vychislitel'noi Matematiki i Matematicheskoi Fiziki (USSR) 1963, v. 3, no. 5, p. 887-904.

Faddeev, D. K. and Faddeeva, V. N.
COMPUTATIONAL METHODS OF LINEAR ALGEBRA
R. C. Williams, tr. 1963, 621p refs
Order from W. H. Freeman and Co.; 660 Market St., San Francisco 4, Calif. $11.50

Trans. of mono. [Vychislitel'nyi Metody Lineinoi Algebry, Moscow, 1960, 656p].

Finkel'shtein, Yu. Yu.
AN INTERATION METHOD FOR A SOLUTION OF THE TRANSPORT PROBLEM BY MEANS OF A SUPPLEMENTAL LIMITATION. AND AN APPRAISAL OF THE NUMBER OF ITERATIONS. 27 Jan 64, 16p 3refs JPRS: 22919 (p. 28-43).
Order from OTS $1.25 in TT-64-21401 (p. 28-43)

Trans. of Zhurnal Vychislitel'noi Matematiki i Matematicheskoi Fiziki (USSR) 1963, v. 3, no. 6, p. 1103-1111.

Itskovich, I. A.
ON THE FREDHOLM SERIES (O Ryadakh Fredgol'ma)
A. Pingell, tr. 1964 [5p] 3refs N R L Trans. no. 966.
Order from OTS, SLA, or ETC $1.10 TT-64-15204

Trans. of Akademiya Nauk SSSR. Doklady, 1948, v. 59, no. 3, p. 423-425.

Korotkov, V.
INTRODUCTION OF THE INTERNATIONAL SYSTEM OF UNITS INTO THE USSR. Feb 64, 11p
Order from HMSO $0.77, $9.86/year in NLL Translations Bulletin, 1964, v. 6, no. 2 (p. 111-121)

Trans. of #Akusticheskii Zhurnal (USSR) 1963 [v. 9] no. 2, p. 257-260.

Morozov, K. E.
PHILOSOPHICAL QUESTIONS OF MATHEMATICS (Filosofskie Voprosy Matematiki). 6 Apr 64, 46p 15refs JPRS: 24054.
Order from OTS $1.25 TT-64-21998

Trans. of Novoe v Zhizni, Nauke, Tekhnike. Seriya 2: Filosofiya (USSR) 1963, no. 24, p. 1-48.

Mudrov, V. I.
A SOLUTION OF THE TRAVELING-SALESMAN PROBLEM BY INTEGER LINEAR PROGRAMMING. 27 Jan 64, 5p 1ref JPRS: 22919 (p. 44-48).
Order from OTS $1.25 in TT-64-21401 (p. 44-48)

Trans. of Zhurnal Vychislitel'noi Matematiki i Matematicheskoi Fiziki (USSR) 1963, v. 3, no. 6, p. 1137-1139.

Pshenichnyi, B. N.
THE TRANSPORT PROBLEM WITH CONTINUOUS DISTRIBUTION OF CONSUMERS. 27 Jan 64, 27p 6refs JPRS: 22919 (p. 1-27).
Order from OTS $1.25 in TT-64-21401 (p. 1-27)

Trans. of Zhurnal Vychislitel'noi Matematiki i Matematicheskoi Fiziki (USSR) 1963, v. 3, no. 6, p. 1089-1102.

Sharkova, N. V.
APPROXIMATE SOLUTION OF DIFFERENTIAL EQUATIONS WITH DEVIATING ARGUMENTS.
10 Feb 64 [17p] 5refs FTD-TT-63-1034.
Order from OTS, SLA, or ETC $1.60 TT-64-15104

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Matematika (USSR) 1963, no. 3[34] p. 173-184.

Computing Devices

Fleishman, B. S.
CONSTRUCTIVE OPTIMAL CODING METHODS FOR NOISY CHANNELS. 8 Apr 64, 311p 44refs JPRS: 24089.
Order from OTS $5.00 TT-64-31018

Trans. of mono. Konstruktivnye Metody Optimal'nogo Kodirovaniya dlya Kanalov s Shuman, Moscow, 1963, 224p.

Kogan, B. Ya. and Shileiko, A. V.
THEORY AND METHODS OF MATHEMATICAL SIMULATION. 3 Feb 64 [6p] RSIC-125.
Order from OTS, SLA, or ETC $1.10 TT-64-15100

Trans. of Akademiya Nauk SSSR. Vestnik, 1963, [v. 33] no. 1, p. 121-122.

Mikhelev, V. M.
DETERMINING THE DISTRIBUTION FUNCTION FOR LENGTH OF MAXIMUM CARRY. 7 Apr 64, 10p 4refs JPRS: 24073. N64-18399
Order from OTS $0.50 TT-64-31010

Trans. of Zhurnal Vychislitel'noi Matematiki i Matematicheskoi Fiziki (USSR) 1963, v. 3, no. 5, p. 942-949.

Nisnevich, L. B.
PERCEPTRON-TYPE MODELS FOR RECONITION OF CONTINUOUS PATTERNS. 30 Dec 63, 12p 6refs JPRS: 22484 (p. 12-23).
Order from OTS $0.75 in TT-64-21140 (p. 12-23)

Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) 1963, no. 5, p. 25-27. (Abstract available)

Stolyars'ka, N. E. and Pukhov, H. E.
SOVIET SYSTEMS DEVELOPMENT AND COMPUTER TECHNOLOGY: THE EFFECT OF EXTERNAL PERIODIC FORCES ON SINGLE-FREQUENCY VIBRATIONS IN SYSTEMS WITH MANY DEGREES OF FREEDOM [AND] VARIABLE STRUCTURE TRANSFORMERS. 10 Apr 64, 11p 6refs JPRS: 24138.
Order from OTS $0.50 TT-64-31049

Trans. of Akademiya Nauk URSR, Kiev. Dopovidi, 1964, no. 2, p. 155-158, 181-184.

MECHANICS

THÉORIE DE LA SIMILITUDE ET MÉTHODES DE REPRODUCTION DES PROCESSUS DYNAMIQUES SUR MODÈLE RÉDUIT. IV. REPRODUCTION PRATIQUE DES PROCESSUS DYNAMIQUES SUR MODÈLES RÉDUITS. (Theory of Simulation and Methods for Reproduction of Dynamic Processes on Reduced Models. Practical Reproduction of Dynamic Processes on Reduced Models). 170p. CNRS-XV 135.
Order from OTS, ETC or CNRS $12.00 TT-62-28198

Trans. in French of Two chapters of Unidentified Russian language book. n.d.

Abel', V. V.
A GENERAL SOLUTION OF A TWO-DIMENSIONAL PROBLEM FOR THE WEDGE. 31 Dec 63, 6p 2refs JPRS: 22567 (p. 333-338).
Order from OTS $6.00 in TT-64-21186 (p. 333-338)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Berezovskii, A. A.
AN APPROXIMATE SOLUTION OF NONLINEAR BOUNDARY-VALUE PROBLEMS. 31 Dec 63, 8p 4refs JPRS: 22567 (p. 317-324).
Order from OTS $6.00 in TT-64-21186 (p. 317-324)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3. (Abstract available)

Ershov, V. V.
SYMMETRICAL BENDING OF NONSYMMETRICALLY CONSTRUCTED SANDWICH PLATES WITH LIGHT-WEIGHT CORES. 30 Sep 62, 22p 4refs FTD-TT-62-1111 (p. 42-63).
Order from OTS, SLA, or ETC $13.50 in TT-64-13542 (p. 42-63)

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1961, no. 3 [p. 38-55].

Fedorov, Yu. A.
OSCILLATIONS OF A CLOSED CIRCULAR CYLINDRICAL SHELL IN A FIELD OF RANDOM ACOUSTIC PRESSURES. 31 Dec 63, 11p 3refs JPRS: 22567 (p. 158-168).
Order from OTS $6.00 in TT-64-21186 (p. 158-168)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3. (Abstract available)

Gol'tsev, V. V.
LOSSES IN SUPERSONIC JET LATTICES IN NON-CALCULATED REGIMES. 31 Dec 63, 18p 3refs JPRS: 22567 (p. 244-261).
Order from OTS $6.00 in TT-64-21186 (p. 244-261)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Grigolyuk, E. I. and Prisekin, V. L.
DYNAMIC INTERACTION OF AN ORTHOTROPIC CYLINDRICAL SHELL WITH AN ACOUSTIC SHOCKWAVE. [1964] 13p 7refs
Order from OTS, SLA, or ETC $1.60 TT-64-14806

Trans. of A[kademiya] N[auk] SSSR. O[tdelenie] T[ekhnicheskikh] N[auk]. Izv[estiya]: Mekh[anika] i Mashinostr[oenie] 1963, no. 6, p. 25-35.

Ivanov, V. S. and Plakhov, D. D.
VIBRATIONS OF A CIRCULAR RING CARRYING A CONCENTRATED MASS. 31 Dec 63, 15p 7refs JPRS: 22567 (p. 128-142).
Order from OTS $6.00 in TT-64-21186 (p. 128-142)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3. (Abstract available)

Kan, S. N. and Silant'ev, A. V.
CALCULATIONS FOR TORSION IN FUSELAGE IN REGION OF WING MIDSECTION. 30 Sep 62, 18p FTD-TT-62-1111 (p. 64-81).
Order from OTS, SLA, or ETC $13.50 in TT-64-13542 (p. 64-81)

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1961, no. 3 [p. 56-68].

Kornishin, M. S. and Isanbaeva, F. S.
BENDING OF FLEXIBLE PLATES WITH PINNED EDGES. 31 Dec 63, 15p 8refs JPRS: 22567 (p. 143-157).
Order from OTS $6.00 in TT-64-21186 (p. 143-157)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3. (Abstract available)

Kozarov, M.
THE STABILITY OF ORTHOTROPIC CYLINDRICAL SHELLS UNDER THERMAL ACTION. 31 Dec 63, 12p 2refs JPRS: 22567 (p. 339-350).
Order from OTS $6.00 in TT-64-21186 (p. 339-350)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Kurdin, N. S.
THE EQUILIBRIUM OF A DROP-SHAPED SHELL SUBJECT TO LARGE DEFORMATION. 31 Dec 63, 8p 3refs JPRS: 22567 (p. 325-332).
Order from OTS $6.00 in TT-64-21186 (p. 325-332)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Kuz'mich, A. N.
THE BENDING OF CIRCULAR PLATES SUPPORTED AT SEVERAL POINTS AND COUPLED WITH THE WALLS OF CYLINDRICAL SHELLS. 31 Dec 63, 11p 4refs JPRS: 22567 (p. 351-361).
Order from OTS $6.00 in TT-64-21186 (p. 351-361)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Matyushev, Yu. S.
CALCULATION OF THE STRENGTH OF CONICAL SHELLS OF THE WING WITH SMALL ASPECT RATIO TYPE. 30 Sep 62, 13p 4refs FTD-TT-62-1111 (p. 82-94).
Order from OTS, SLA, or ETC $13.50 in TT-64-13542 (p. 82-94)

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnyk Zavedenii. Aviatsionnaya Tekhnika (USSR) 1961, no. 3 [p. 89-99].

Mitkevich, V. M.
STRESSED STATE OF A CONICAL SHELL REINFORCED BY RIBS UNDER THE EFFECT OF EDGE LOADING. [1964] 7p 4refs
Order from OTS, SLA, or ETC $1.10 TT-64-14784

Trans. of Prykl[adna] Mekh[anika] (USSR) 1963, v. 9, no. 6, p. 612-618.

Mkhitaryan, A. M.
HYDRAULICS AND FUNDAMENTALS OF GAS DYNAMICS Z. Lerman, tr. 1964, 227p PL-480 NASA.
Order from OTS $2.50 NASA TT F-146

Trans. of mono. Gidravlika i Osnovy Gazodinamiki Kiev, 1959 [279p].

Ratner, S. I.
CHANGE OF MECHANICAL PROPERTIES OF METALS UNDER HYDROSTATIC PRESSURE. [1964] 9p
Order from OTS, SLA, or ETC $1.10 TT-64-14755

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) 1949, v. 19, no. 3, p. 408-411.

Sokolovskii, V. V.
PLASTIC BENDING OF A CIRCULAR PLATE. 31 Dec 63, 11p 1ref JPRS: 22567 (p. 306-316).
Order from OTS $6.00 in TT-64-21186 (p. 306-316)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Surkin, R. G. and Stepanov, S. G.
EXPERIMENTAL INVESTIGATION OF THE STABILITY OF SPHERICAL SEGMENTS UNDER EXTERNAL UNIFORMLY DISTRIBUTED PRESSURE. Presented to the All-Union Conference on the Theory of Plates and Shells, L'vov, 1961. [1964] [10p] (figs omitted) 15refs
Order from OTS, SLA, or ETC $1.10 TT-64-14785

Trans. of Prykladna Mekhanika (USSR) 1963, v. 9, no. 6, p. 649-658.

Tryanin, I. I.
EFFECT OF A TRANSVERSE LOAD ON STABILITY AND ON REDUCING COEFFICIENTS OF A COMPRESSED MULTIPANEL CONTINUOUS PLATE. 31 Dec 63, 15p 4refs JPRS: 22567 (p. 169-183).
Order from OTS $6.00 in TT-64-21186 (p. 169-183)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Aerodynamics and Pneumatics

Baskin, V. E., D'yachenko, A. S., Maikapar, G. I., and Martynov, A. I.
AN INVESTIGATION OF AIRFLOW AND LOADING ON THE BLADES OF A HELICOPTER ROTOR IN HORIZONTAL FLIGHT. 31 Dec 63, 28p 7refs JPRS: 22567 (p. 58-85).
Order from OTS $6.00 in TT-64-21186 (p. 58-85)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Bazzhin, A. P. and Gladkov, A. A.
ON INVERSE PROBLEM SOLUTION BY THE METHOD OF EXPANSION INTO SERIES. 31 Dec 63, 5p 4refs JPRS: 22567 (p. 193-197).
Order from OTS $6.00 in TT-64-21186 (p. 193-197)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Biiposunov, I.
REFINING ONE EXAMPLE OF A NEAR-SONIC FLOW
31 Dec 63, 10p 7refs JPRS: 22567 (p. 234-243).
Order from OTS $6.00 in TT-64-21186 (p. 234-243).

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Bukovshin, V. G. and Taganov, G. I.
DETERMINED THE AERODYNAMIC FORCES ACTING ON BODIES WITH FRONTAL DISRUPTION ZONE IN HYPERSONIC FLOWS. 30 Jan 64 [15p] 1ref FTD-TT-63-1206.
Order from OTS, SLA, or ETC $1.60 TT-64-15109

Unedited rough draft trans. of #Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 2, p. 215-221.
Another trans. is available from OTS, SLA, or ETC $2.60 in TT-64-13162, FTD-TT-63-969, 15 Oct 63 [26p].

Burman, Z. I.
FLUTTER CALCULATIONS FOR TOWED GLIDER TAKING ACCOUNT OF THREE DEGRESS OF FREEDOM. 30 Sep 62, 12p 3refs FTD-TT-62-1111 (p. 136-147).
Order from OTS, SLA, or ETC $13.50 in TT-64-13542 (p. 136-147)

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1961, no. 3 [p. 144-152]. (Abstract available)

Derzhavina, A. I. and Chukanova, T. I.
SOME ACCURATE SOLUTIONS OF EQUATIONS ON THE MOVEMENT OF MONOATOMIC GAS. 31 Dec 63, 12p 3refs JPRS: 22567 (p. 222-233).
Order from OTS $6.00 in TT-64-21186 (p. 222-233)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Dorfman, L. A.
TURBULENT BOUNDARY LAYER ON AN AXISYMMETRICAL BODY RAPIDLY REVOLVING IN AN AXIAL FLOW. 10 Feb 64 [9p] 3refs FTD-TT-63-1137.
Order from OTS, SLA, or ETC $1.10 TT-64-15090

Unedited rough draft trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya: Mekhanika i Mashinostroenie, 1962, no. 4, p. 18-22.

Golubinskii, A. I.
LIFTING FORCE AND MOMENT OF A THIN PROFILE IN AN ARBITRARY TRANSIENT FLOW.
31 Dec 63, 7p 5refs JPRS: 22567 (p. 51-57).
Order from OTS $6.00 in TT-64-21186 (p. 51-57)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3. (Abstract available)

Keldysh, M. V.
ON B. G. GALERKIN'S METHOD FOR THE SOLUTION OF BOUNDARY VALUE PROBLEMS (O Methode B. G. Galerkina dlya Resheniya Kraevykh Zadach). Mar 64, 56p NASA Technical Trans. F-195.
Order from OTS $1.50 TT-64-11607

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Matematicheskaya, 1942, v. 6, no. 4, p. 309-330. Another trans. is available from OTS or SLA $4.60 as TT-63-20329 [1963] 42p.

Khudenko, B. G.
APPLICATION OF POTENTIAL-FLOW SCHEME OF AN IDEAL FLUID TO CALCULATION OF AN AIRSTREAM WITH A REGION OF BACKFLOW.
30 Sep 62, 20p 6refs FTD-TT-62-1111 (p. 95-112).
Order from OTS, SLA, or ETC $13.50 in TT-64-13542 (p. 95-112)

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1961, no. 3 [p. 113-126].

Korobeinikov, N. P.
ON THE CALCULATION OF THE AERODYNAMIC CHARACTERISTICS OF THIN CURVED BODIES AND CURVED SURFACE WINGS. 30 Sep 63, 15p 5refs FTD-TT-62-1111 (p. 1-15).
Order from OTS, SLA, or ETC $13.50 in TT-64-13542 (p. 1-15)

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1961, no. 3 [p. 3-13].

Koshmarov, Yu. A.
FLOW OF A RARIFIED GAS ALONG A WALL SUDDENLY PLACED IN MOTION. 31 Dec 63, 22p 8refs JPRS: 22567 (p. 29-50).
Order from OTS $6.00 in TT-64-21186 (p. 29-50)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3. (Abstract available)

Litvin-Sedoi, M. Z.
THE CALCULATION OF THE KINETIC ENERGY OF A SYSTEM OF LINKED BODIES. 30 Sep 63, 10p 7refs FTD-TT-62-1111 (p. 16-25)
Order from OTS, SLA, or ETC $13.50 in TT-64-13542 (p. 16-25)

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1961, no. 3 [p. 14-20].

Matyazh, A. I.
AN EXPERIMENTAL INVESTIGATION OF THE EFFECTIVENESS OF CERTAIN TYPES OF FLAT-STREAM DISCHARGE OF GAS ONTO A PROFILE WITH A FLAP. 30 Sep 63, 16p 4refs FTD-TT-62-1111 (p. 26-41).
Order from OTS, SLA, or ETC $13.50 in TT-64-13542 (p. 26-41)

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1961, no. 3 [p. 21-30].

Moiseenko, A. F.
MUTUAL ANNULAR WING-BODY INTERFERENCE WITH CONSIDERATION OF COMPRESSIBILITY OF FLUID. 30 Sep 62, 24p 4refs FTD-TT-62-1111 (p. 163-186).
Order from OTS, SLA, or ETC $13.50 in TT-64-13542 (p. 163-186)

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1961, no. 3 [p. 163-180]. (Abstract available)

Neiland, V. Ya.
FLOW AROUND A PLATE AT THE ATTACK ANGLE OF A SUPERSONIC VISCOUS GAS CURRENT.
31 Dec 63, 4p 2refs JPRS: 22567 (p. 12-15).
Order from OTS $6.00 in TT-64-21186 (p. 12-15)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Neiland, V. Ya., and Taganov, G. I.
THE FRONTAL DISRUPTION ZONE UPON ASYMMETRICAL FLOW AROUND A POINTED BODY BY A SUPERSONIC GAS STREAM. 31 Dec 63, 11p 3refs JPRS: 22567 (p. 1-11)
Order from OTS $6.00 in TT-64-21186 (p. 1-11)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Shakhov, E. M.
EVALUATION OF THE RELAXATION TIME OF THE MELTING SPEED OF VITREOUS MATERIALS.
31 Dec 63, 11p 3refs JPRS: 22567 (p. 198-208).
Order from OTS $6.00 in TT-64-21186 (p. 198-208)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3. (Abstract available)

Shkadov, V. Ya.
BOUNDARY LAYER WITH PRESSURE GRADIENT IN COMPRESSIBLE FLUID FLOW. 31 Jan 64 [9p] 7refs FTD-TT-63-1138.
Order from OTS, SLA, or ETC $1.10 TT-64-15112

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya: Mekhanika i Mashinostroenie, 1963, no. 2, p. 28-32.

Shugaev, F. V.
A PLANE ENDED CYLINDER IN A SUPERSONIC CURRENT OF AN IDEAL GAS. 31 Dec 63, 13p 12refs JPRS: 22567 (p. 16-28).
Order from OTS $6.00 in TT-64-21186 (p. 16-28)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3. (Abstract available)

Yanin, I. N.
APPROXIMATE CONSTRUCTION OF STREAMLINES AROUND A GIVEN PROFILE IN A SUBSONIC STREAM WITH A LOCAL SUPERSONIC REGION TERMINATED BY A COMPRESSION SHOCK.
30 Sep 62, 12p 5refs FTD-TT-62-1111 (p. 151-162).
Order from OTS, SLA, or ETC $13.50 in TT-64-13542 (p. 151-162)

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1961, no. 3 [p. 155-162].

Yaroshevskii, V. A.
CALCULATION OF AERODYNAMIC INTERFERENCE FORCES BETWEEN TWO ROTATION BODIES.
31 Dec 63, 18p 3refs JPRS: 22567 (p. 262-279).
Order from OTS $6.00 in TT-64-21186 (p. 262-279)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3. (Abstract available)

Hydrodynamics, Hydraulics, and Hydrostatics

Bolotin, V. V.
ON THE MOTION OF A LIQUID IN AN OSCILLATING CONTAINER
W. Uruskii, tr. 14 Feb 64 [9p] 5refs RSIC-133.
Order from OTS, SLA, or ETC $1.10 TT-64-13758

Trans. of Prikladnaya Matematika i Mekhanika (USSR) 1956, v. 20 [no. 2] p. 293-294.

Klyachko, L. A.
THE THEORY OF DISINTEGRATION OF A DROP BY A GAS FLOW. 31 Dec 63, 9p 6refs JPRS: 22567 (p. 280-288).
Order from OTS $6.00 in TT-64-21186 (p. 280-288)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Rumer, Yu. B.
CONVECTIONAL DIFFUSION IN A SUBMERGED JET. [1964] [6p] 3refs
Order from OTS, SLA, or ETC $1.10 TT-64-14916

Trans. of Prikladnaya Matematika i Mekhanika (USSR) 1953, v. 17, no. 6, p. 743-744.
Another trans. is available from SAL as R-01119, 6p

Rumer, Yu. B.
THE PROBLEM OF A SUBMERGED JET [Zadacha o Zatoplennoi Strue]. [1964] [7p] 2refs
Order from OTS, SLA, or ETC $1.10 TT-64-14915

Trans. of Prikladnaya Matematika i Mekhanika (USSR) 1952, v. 16, no. 2, p. 255-256.
Other translations are available from SLA as RT-3114, 5p and R-01118, 7p; from NRC as NRC-TT-383.

METALLURGY

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS NO. 45. 8 Apr 64, 13p JPRS: 24088.
Order from OTS $0.50 TT-64-31017

Trans. of selected abstracts from Referativnyi Zhurnal. Metallurgiya (USSR) 1963, nos. 10-12.

Delimarskii, Yu. K. and Kolotii, A. A.
A REVERSIBLE GLASS-TIN-SODIUM REFERENCE ELECTRODE IN FUSED SALTS. [1963] 14p (figs omitted) 10refs
Order from OTS, SLA, or ETC $1.60 TT-64-14668

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR) 1950, v. 16 [no. 3] p. 438-446.
Other translations are available from SLA as R-234, AEC-tr-2475, 14p and from OTS or SLA $1.60 in French as TT-61-23740, CEA-tr-R765, 30 Oct 59 [14p].

Eremenko, V.N. and Lesnik, N.D.
CINÉTIQUE DE L'IMPRÉGNATION DU FER ET DU NICKEL POREUX PAR LE PLOMB ET L'ARGENT (Kinetika Propitki Poristykh Zheleza i Nikelya Zhidkimi Svintsom i Serebrom) (Kinetics of the Impregnation of Porous Iron and Nickel by Liquid Lead and Silver). 22p. (foreign text included) 7 refs.
CNRS-XVII 633.
Order from OTS ETC or CNRS $2.60 TT-63-26602

Trans. in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya Metallurgiya i Toplivo, 1961, no.5, p.43-50.

Geiro, N. B.
CONTINUOUS CASTING AND OPEN-HEARTH COMPUTER CONTROLS: CONTINUOUS CASTING [AND] COMPUTER "STALEVAR". 3 Apr 64, 13p JPRS: 24017.
Order from OTS $0.50 TT-64-21972

Trans. of mono. Proizvodstvo Stali: Sovremennye Sposoby (Production of Steel: Modern Methods) Moscow, 1963, p. 143-157.

Geleji, A.
AN EXTENSION OF THE KARMAN THEORY OF ROLLING WITH A GENERALLY VALID SOLUTION. Dec 63.
Order from BISI BISI-3464

Trans. of Archiv für das Eisenhüttenwesen (West Germany) 1963, v. 34 [no. 8] p. 565-570. (Abstract available)

Gerasimenko, I. N.
ELECCION DEL METAL BASE Y ELECTRODOS PARA ESTRUCTURAS SOLDADAS QUE HAN DE SOPORTAR BAJAS TEMPERATURAS (O Vybore Metalla i Elektrodov dlya Svarnykh Konstruktsii, Rabotayushchikh pri Nizkikh Temperaturakh) (Selection of the Base Metal and Electrode for Welded Structures Subject to Loco Temperature Conditions). 9p 4refs. CID:63-391.
Order from OTS, ETC or CID $1.10 TT-63-26791

Trans. in Spanish of #Avtomaticheskaya Svarka (USSR) 1959, v. 12, no. 1, p. 49-52.
Trans. in English available from OTS, SLA, or ETC $1.10 as TT-59-31027, Nov 59, 4p

Grigorovich, V. I. and Dedyurin, A. I.
STUDYING THE OXIDATION OF NIOBIUM BASE ALLOYS. 10 Jan 64 [37p] 7refs FTD-TT-63-1020.
Order from OTS, SLA, or ETC $3.60 TT-64-13707

Unedited rough draft trans. of Akademiya Nauk SSSR. Institut Metallurgii. Trudy, 1963, no. 12, p. 214-240.

Hug, H.
UNIDUR. [1963] [37p] (foreign text included) 2refs
Order from SLA $3.60 TT-64-14595

Trans. of Aluminium Suisse, 1963, v. 13, no. 2, p. 49-65.

Jordan, Ivo.
ELECTROLYTIC PRODUCTION OF METALLIC POWDERS [Article presented at Annual Congress of the Brazilian Metals Association (no. 6) Belo Horizonte, Jul 50]. [1964] 35p
Order from K-H $21.00 K-H-2804-c

Trans. of [ABM] Bol[etim da] Assoc[iação] Brasil[eira] de Metais, 1950 [v. 6] p. 151-178.
Another trans. is available from SLA $3.60 as TT-63-20443 [1963] 35p.

Karpinskii, V.N.
USO DEL HIDROGENO PARA EL CORTE A GAS DE LOS METALES (Ispol'zovanie Vodoroda pri Gazovoi Rezke Metallov) (Utilisation of Hydrogen in Metal Gas-cutting). 6p.CID:63-379.
Order from OTS, ETC or CID $1.10 TT-63-26779

Trans. in Spanish of Elektricheskie Stantsii (USSR) 1953, v.24, no.8, p.51-52.

Kasprzhak, G.M. and Slepushkin, E.I.
NUEVOS ESQUEMAS DE GENERADORES DE SOLDADURA Y SU APLICACION A LA SOLDADURA CON GASES INERTES (Novye Skhemy Svarochnykh Generatorov i Ikh Primenenie dlya Svarki v Sashchitnykh Gazakh) (New Welding Generator Diagrams and their Application to Inert-Gas Welding). 21p. 4refs. CID:63-380.
Order from OTS, ETC or CID $4.60 TT-63-26780

Trans. in Spanish of Avtomaticheskaya Svarka (USSR) 1957, v.10, no.3, p.97-104.
Trans. in English available from LC or SLA mi$2.40 ph$3.30 as 60-13432, Dec 59, 16p.

Kustov, V.F.
EXPERIENCIA SOBRE EL EMPLEO DE MEZCLAS DE CARBON Y RESIDUO DE PETROLEO EN UN HORNO DE MARTIN DE 30 TONELADAS (Opyt Primeneniya Uglemazutoi Smesi v 30-Tonnoi Martenovskoi Pechi) (Experiences on the Utilization of Coal and Petroleum Residue Mixtures in a 30 Ton Martin Furnace). 29p. CID:63-355.
Order from OTS, ETC or CID $2.60 TT-63-26755

Trans. in Spanish of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1941, no.4, p.67-76.

Lozinskii, M. G. and Fedotov, S. G.
CHANGES IN HARDNESS OF PURE METALS DURING HEATING. [1964] 7p (figs omitted) 22refs
Order from OTS, SLA, or ETC $1.10 TT-64-14937

Trans. of Akad[emiya Nauk] SSSR. Otdel[enie] Tech[nicheskikh] Nauk. Izvest[iya] 1954, no. 4, p. 80-85.

Movchan, B.A., Rabkin, D.M. and others.
ALGUNAS PARTICULARIDADES TECNOLOGICAS DE LA SOLDADURA POR RAYOS ELECTRONICOS EN VACIO (Nekotorye Tekhnologicheskie Osobennosti Svarki Elektronnym Luchom v Vakuume) (Some Technological Characteristics of Electronic Beam Vacuum Welding). 13p. 3refs. CID:63-362.
Order from OTS, ETC or CID $1.60 TT-63-26762

Trans. in Spanish of #Avtomaticheskaya Svarka (USSR) 1959, v.12, no.8, p.12-17.

Razikov, M.I.
SOBRE LOS PROBLEMAS DE CRISTALIZACION PRIMARIA DEL METAL DEPOSITADO DURANTE LA SOLDADURA POR FUSION (K Voprosu o Pervichnoi Kristallizatsii Metalla Shva Pri Svarke Plavleniem) (On Primary Crystallization Problems of the Metal Deposited During Fusion Welding). 8p. 4refs. CID:63-330.
Order from OTS, ETC or CID $1.10 TT-63-26730

Trans. in Spanish of Avtomaticheskaya Svarka (USSR) 1958, v.11, no.8, p.60-62.

Siunov, N.S. and Urmanov, R.N.
ANALISIS DE LOS ESQUEMAS DE SOLDADURA POR ARCO TRIFASICO USANDO BOBINAS DE REGULACION MONOFASICAS (Analiz Skhem Svarki Trekhfaznoi Dugoi s Ispol'zovaniem Odnofaznykh Reguliruemykh Drosselei) (Analysis of Triphasic Arc Welding Patterns with Monophasic Control Electric Coils). 29p. 9refs. CID:63-333.
Order from OTS, ETC or CID $2.60 TT-63-26733

Trans. in Spanish of Avtomaticheskaya Svarka (USSR) 1957, v.10, no.4, p.1-14.

Uspenskii, F.I.
TENAZAS PARA LA SOLDADURA A TOPE Y SOLARE POR PRESION DE CABLES DE UN HILO (Kleshchi dlya Svarki Davleniem Odnoprovolochnykh Provodov v Styk i Vnakhlestku) (Tengs Employed in Line Cable Pressure Butt- and Lap-Welding). 8p. CID:63-383.
Order from OTS, ETC or CID $1.10 TT-63-26783

Trans. in Spanish of Energetik (USSR) 1959, v.7, no.12, p.27-30.

Ferrous Metals

Braun, M. P. and Vinokur, B. B.
CREEP OF STEEL OF VARIOUS ALLOYING DEGREES. 2 Mar 64 [6p] 7refs FTD-TT-64-48.
Order from OTS, SLA, or ETC $1.10 TT-64-15196

Unedited rough draft trans. of A[kademiya] N[auk] URSR [Kiev]. Dopovidi, 1963, no. 9, p. 1190-1193. Another trans. is available from HB $3.90 as HB-6164, Jan 64, 1100words.

Haarbrücker, T.
CRUCIBLE AND ROTOR FURNACES FOR THE PRODUCTION OF OXYGEN STEEL. Feb 64
Order from BISI £2 10s BISI-3284

Trans. of Technik und Forschung [sic] 1961, no. 181(42) 22 Nov, p. 758-760.

Khayrutdinov, R. K. and Yartsev, M.
THE IMPORTANCE OF THE SHOP IN STEEL MILL OPERATION. USSR Industrial Development: Soviet Ferrous Metallurgy no. 182. 9 Apr 64, 5p JPRS: 24113.
Order from OTS $0.50 TT-64-31033

Trans. from Ekonomicheskaya Gazeta (USSR) 1964, no. 4[129] p. 6

Light Metals

Gabler, F.
IMPACT EXTRUSION AND COLD FORGING OF ALUMINUM IN LIGHT ENGINEERING. [1963] 22p (figs omitted)
Order from SLA $2.60 TT-64-10756

Trans. of Aluminium (Germany) 1943, v. 25 [no. 5] p. 194-202.

Moschel, W.
ON THE TECHNOLOGY OF MAGNESIUM PRODUCTION. [1963] 50p (figs omitted) 100refs
Order from SLA $4.60 TT-64-14378

Trans. of Angewandte Chemie (West Germany) 1951, v. 63, no. 17/18, p. 385-395.
Another trans. is available from SLA as II-249, 50p.

Revyakin, A. V.
DIFFUSION OF OXYGEN IN α-TITANIUM. [1964] 9p 8refs
Order from OTS, SLA, or ETC $1.10 TT-64-14843

Trans. of Akademiya Nauk SSSR. O[tdelenie] T[ekhnicheskikh] N[auk]. Izvestiya: Metallurgiya i Toplivo, 1961, no. 5, p. 113-116.

Nonferrous (except light) Metals

METHOD OF CONDENSING ZINC VAPOUR AT A REDUCED PRESSURE Mar 64.
Order from TTIS $14.50 TTIS NS 186

Trans. of Polish patent 47,473, by Silesia Zinc Works, appl. 1 Oct 62, pub. 23 Sep 63.

USSR INDUSTRIAL DEVELOPMENT: SOVIET NONFERROUS METALLURGY NO. 88. 9 Apr 64, 6p JPRS: 24108.
Order from OTS $0.50 TT-64-31029

Trans. of 3 selected articles from Kommunist, Erevan (USSR) 1964, 6 Feb, p. 2 and Narodnoe Khozyaistvo Kazakhstana (USSR) 1963 [v. 21] no. 12, p. 13-15.

USSR INDUSTRIAL DEVELOPMENT: SOVIET NONFERROUS METALLURGY NO. 89. 9 Apr 64, 7p JPRS: 24128.
Order from OTS $0.50 TT-64-31042

Trans. of Narodnoe Khozyaistvo Kazakhstana (USSR) 1963 [v. 21] no. 11, p. 67-68; no. 12, p. 9-10 and 15 short news items from 1964 issues of various Russian journals and newspapers.

Anderko, Kurt.
CONTRIBUTION TO THE BINARY SYSTEMS OF TITANIUM WITH GALLIUM, INDIUM, AND GERMANIUM AND OF ZIRCONIUM WITH GALLIUM AND INDIUM. [1964] 16p (figs tables omitted) 25refs
Order from SLA $1.60 TT-64-14804

Trans. of Z[eitschrfit für] Metallk[un]de (West Germany) 1958, v. 49, no. 4, p. 165-172.

Herrmann, E.
NEW DEVELOPMENT IN THE FIELD OF CONTINUOUS CASTING OF NONFERROUS METALS (Neues auf dem Gebiete des Stranggiessens von Nichteisenmetallen). [1964] [34p] (foreign text included)
Order from SLA $3.60 TT-64-14855

Trans. of [das] Metall (West Germany) 1963, v. 17, no. 11, p. 1108-1116.

Katsunaga, K., Tomihiko, H., and others.
NOUVELLE MÉTHODE POUR LA FABRICATION DE FILAMENT AYANT UNE COUCHE DU NIOBIUM OU BIEN DU TANTALE PAR LA MÉTHODE ÉLECTROLYTIQUE (Electrolytic Deposition of Niobium and Tantalum). 4p. CNRS-VIII bis 159.
Order from OTS, ETC or CNRS $1.10 TT-62-26688

Trans. in French of Japanese patent application no.172981 by Kanegafuchi Cie. d'Industrie pour Télégraphie sans Fil, filed 22June 46.

Rinck, E.
SOLIDIFICATION DIAGRAMS OF ALLOYS FORMED BY TWO ALKALI METALS: ALLOYS OF SODIUM POTASSIUM. [1963] 3p (figs omitted)
Order from SLA $1.10 TT-64-14662

Trans. of [Academie des Sciences, Paris]. Compt[es] Rend[us] (France) 1933, v. 197, p. 49-51 (pub. by Gauthier-Villars et Cie., Paris).
Another trans. is available from SLA as I-544, 3p.

Savitskii, E.M., Terekhova, V. F., Burov, I. V., Markov, I. A., and Naumkin, O. P.
RARE EARTH ALLOYS. [1963] 349p 197refs
Order from OTS $4.50 AEC-tr-6151

Trans. of mono. Splavy Redkozemel'nykh Metallov, Moscow, 1962 [266p]. (Abstract available)

Savitskii, E. M., Tylkina, M. A., Zhdanova, L. L., Zubkova, L. A., and Starkov, V. N.
THE PROPERTIES OF RHENIUM, RHENIUM-TUNGSTEN AND RHENIUM-MOLYBDENUM ALLOYS. [1963] [17p] 18refs
Order from OTS, SLA, or ETC $1.60 TT-64-13712

Trans. of Issledovaniya po Zharoprochnym Splavam (USSR) 1962, v. 9, p. 194-203. (Abstract available)
Another trans. is available from OTS $1.00 in TT-64-21047, JPRS-22336 (p. 10-22) 18 Dec 63, 13p.

Structural Metallurgy and Corrosion

Friedel, J., Cullity, B. O., and Crussard, C.
A STUDY OF THE SURFACE TENSION OF A GRAIN BOUNDARY IN A METAL AS A FUNCTION OF THE ORIENTATION OF THE TWO GRAINS WHICH THE BOUNDARY SEPARATES. III. CALCULATION OF SURFACE AND INTERFACIAL ENERGIES. [1963] 13p (tables omitted)
Order from SLA $1.60 TT-64-14586

Partial trans. (p. 86-92) of Acta Metal[lurgica] (U. S.) 1953, v. 1 [Jan] p. 79-92.
A trans. of p. 79-92 is available from BISI $7 15s as BISI-3509, Jan 64.

Gintsberg, S. A., Levin, I. A. and Yamshchikov, I. N.
APPARATUS FOR THE INVESTIGATION OF THE ELECTROCHEMICAL BEHAVIOR OF VARIOUS METALS IN CONTACT. [1964] 6p (figs omitted) 1ref
Order from OTS, SLA, or ETC $1.10 TT-64-14895

Trans. of Akademiya Nauk SSSR, Institut Fizicheskoi Khimii. Trudy, 1951 [v. 2] no. 3, p. 79-82.

Golubtsova, R. B. and Mashkovich, L. A.
INVESTIGATION OF METALLIC COMPOUNDS IN MULTICOMPONENT NICKEL ALLOYS WITH A VARIABLE TITANIUM CARBIDE CONTENT. Jan 64
Order from LSA $2.75

Trans. of #Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1959, no. 6, p. 971-974.
Another trans. is available from LC or SLA mi$1.80, ph$1.80 as TT-60-15777, DSIR NLL M.1250 [1960] 8p.

Hisamatsu, K. and Sugano, Y.
ÉTUDE DE MÉCANISME D'ACTION DES INHIBITEURS ORGANIQUES POUR LES ACIERS EN MILIEU ACIDE PAR DÉTERMINATION DES COURBES DE POLARISATION DE CELLULES LOCALES (Study in the Mechanism of Organic Inhibitors Activity on Steel in Acid Medium by Determination of Local Cell Polarization Curves). 10p. CNRS-VIII bis 164.
Order from OTS, ETC or CNRS $1.10 TT-62-26659

Trans. in French of Unidentified Japanese language article, n.d.

Lehmann, J.
MONOCLINIC PHASES IN URANIUM-MOLYBDENUM ALLOYS. 26 Apr 63 [16p] 14refs
Order from SLA $1.60 TT-64-14726

Trans. of J[ournal of] Nuclear Materials (Netherlands) 1961, v. 4, no. 2, p. 218-225.

Lukonina, T. I., Zhigalova, K. A., and Rozenfel'd, I. L.
A NEW METHOD OF INVESTIGATING THE ATMOSPHERIC CORROSION OF METALS (Novyi Metod Issledovaniya Atmosfernoi Korrozii Metallov). [1964] [12p] (foreign text included) 13refs
Order from OTS, SLA, or ETC $1.60 TT-64-14852

Trans. of Zavodskaya Laboratoriya (USSR) 1956, v. 22, no. 12, p. 1463-1467.

Moskvin, V. M. and Alekseev, S. N.
METHODS OF INCREASING THE RESISTANCE TO CORROSION OF REINFORCEMENT IN REINFORCED CONCRETE STRUCTURAL MEMBERS. [1963] 5p 1ref
Order from OTS, SLA, or ETC $1.10 TT-64-10177

Trans. of Beton i Zhelezobeton (USSR) 1957, no. 1, p. 28-29.

DESCRIPTORS: *Reinforced concrete, *Structural parts, *Reinforcing materials, *Corrosion inhibition.

Reimer, Ludwig.
ELECTRON MICROSCOPE STUDY OF THE PRECIPITATES IN AN ALUMINIUM-SILVER ALLOY USING THE THIN SECTION METHOD (Elektronenmikroskopische Untersuchung der Ausscheidungen in einer Aluminium-Silber-Legierung mit der Dünnschnittmethode). 13 Jun 63 [13p] 7refs
Order from SLA $1.60 TT-64-14473

Trans. of Zeit[schrift] für Metallkunde (West Germany) 1959, v. 50, no. 10, p. 606-610.

NUCLEAR PHYSICS AND NUCLEAR CHEMISTRY

USE OF ISOTOPES IN RESEARCH: SELECTED ARTICLES. 1964, 21p PL-480 Agr.
Order from OTS $0.50 TT-63-11008

Consists of 3 articles from 1956-57 issues of Russian journals.

Separate entries have been prepared for the individual articles.

Balashov, V. V. and Fetisov, V. N.
ON THE THEORY OF PHOTODISINTEGRATION OF THE LIGHT NUCLEI WITH EMERGENCE OF FAST DEUTERONS (K Teorii Fotorasshchepleniya Legkikh Yader s Ispuskaniem Bystrykh Deitronov)
A. Pingell, tr. 9 Dec 63 [19p] 15refs
NRL Trans. no. 959.
Order from OTS, SLA, or ETC $1.60 TT-64-13589

Trans. of Akademiya Nauk SSSR. Fizicheskii Institut. [Rept]-A-29, 1963, p. 1-16.

Dushin, N. V.
DIFFUSION OF π-MESONS IN He_3 AND He_4.
21 Jan 64 [7p] 3refs FTD-TT-63-1093.
Order from OTS, SLA, or ETC $1.10 TT-64-15088

Unedited rough draft trans. of Nauchnye Doklady Vysshei Shkoly. Fiziko-Matematicheskie Nauki (USSR) 1958, no. 2, p. 162-165.

Girnik, D. V.
THE USE OF ISOTOPES IN THE INVESTIGATION OF FLOWERING AND NECTAR FORMATION IN LINDEN TREES (Primenenie Izotopov pri Izuchenii Tsveteniya i Vydeleniya Nektara u Lipy). 1964, 5p 1ref
PL-480 Agr.
Order from OTS $0.50 in TT-63-11008 (p. 1-5)

Trans. of mono. Fiziologiya Rastenii Agrokhimiya Pochvovedenie (Trudy [Vsesoyuznoi Nauchno-Tekhnicheskoi Konferentsii po Primeneniyu Radioaktivnykh i Stabil'nykh Izotopov i Izluchenii v Narodnom Khozyaistve i Nauke, Moscow, 4-12 Apr 57) 1958] p. 143-147.

Glazov, A. N.
THE USE OF RADIOACTIVE ISOTOPES IN SURVEYS FOR ENGINEERING STRUCTURES (Ispol'zovanie Radioaktivnykh Izotopov v Praktike Inzhenernykh Izyskanii). 1964, 7p 14refs PL-480 Agr.
Order from OTS $0.50 in TT-63-11008 (p. 14-21)

Trans. of Gidrotekhnika i Melioratsiya (USSR) 1956, v. 8, no. 9, p. 13-19.

Golovachev, V.
LARGEST IN THE WORLD: A REPORT ON THE NEW SOVIET LINEAR ELECTRON ACCELERATOR.
Feb 64, 6p
Order from HMSO $0.77, $9.86/year in NLL Translations Bulletin, 1964, v. 6, no. 2 (p. 165-170)

Trans. from Pravda [Moscow] (USSR) 1963, 17 Oct, p. 4.

Korsunskii, M. I.
THE ATOMIC NUCLEUS
G. Yankovsky, tr. 1963, 413p
Order from Dover Publications, Inc., 180 Varick St., New York, 14, N. Y. $2.00 paperbound

Trans. of mono. [Atomnoe Yadro, Moscow] 1958 [425p].

Larkin, A. I. and Migdal, A. B.
THE THEORY OF SUPERFLUID FERMI FLUID APPLICATION TO THE NUCLEUS. Fall 63, 11p 7refs
Order from International Physical Index, Inc., 1909 Park Ave., New York 35, N. Y. $100.00/year in Russian Physics Quarterly, v. 1, no. 1 (p. 103-113)

Trans. of #Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1963, v. 44, no. 5, p. 1703-1718. (Abstract available)

Mizushina, Tokuro and Ito, Ryusho.
ANALYSIS OF THE UNSTEADY STATE IN THE THERMAL DIFFUSION CELL. AEC Research and Development Rept. 23 Oct 63, 16p 5refs
MLM-1167 (Tr); N64-13343. Contract AT(33-1)GEN-53
Order from OTS $0.50 TT-64-11551

Trans. of Kagaku Kogaku (Japan) 1961, v. 25, no. 1, p. 34-40. (Abstract available)

Ostrovskaya, L. K., Geller, B. A., and Yakovenko, G. M.
THE USE OF THE STABLE NITROGEN ISOTOPE N^{15} IN INVESTIGATING THE ROLE OF COPPER IN PLANT ASSIMILATION OF AMMONIA AND NITRATE NITROGEN (Primenenie Stabil'nogo Izotopa Azota N^{15} dlya Izucheniya Roli Medi v Usvoenii Rasteniyami Ammiachnogo i Nitratnogo Azota). 1964, 9p 19refs
PL-480 Agr.
Order from OTS $0.50 in TT-63-11008 (p. 6-14)

Trans. of mono. Fiziologiya Rastenii Agrokhimiya Pochvovedenie (Trudy [Vsesoyuznoi Nauchno-Tekhnicheskoi Konferentsii po Primeneniyu Radioaktivnykh i Stabil'nykh Izotopov i Izluchenii v Narodnom Khozyaistve i Nauke, Moscow, 4-12 Apr 57) 1958] p. 168-176.

Elementary Particles

Chudakov, A. E.
À PROPOS D'UN EFFET D'IONISATION, LIÉ À L'OBSERVATION D'UNE PAIRE ÉLECTRONPOSITRON DOUÉE D'UNE GRANDE ÉNERGIE (Ob Odnom Ionizatsionnom Effekte, Svyazannom s Nablyudeniem Elektronno-Pozitronnykh par pri Ochen' Bol'shikh Energiyakh) (On an Ionization Effect Related to the Observation of Electron-Positron Pairs at Very High Energies). 19p. (foreign text included) 7refs. CNRS-X 348.
Order from OTS, ETC or CNRS $1.60 TT-62-29097

Trans. in French of #Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya, 1955, v.19, no.6, p.651-656.

Eliseev, V. S.
ON β-PARTICLE BREMSSTRAHLUNG AND PROTECTION FROM IT. [1964] 6p 4refs
Order from OTS, SLA, or ETC $1.10 TT-64-16012

Trans. of #Atomnaya Energiya (USSR) 1963, v. 14, no. 4, p. 405-407.

Kashida, Yoshihiko, Yamazaki, Mikio, and Iwakura, Tetsuo.
^{14}C AND ^{3}H MEASUREMENT BY MEANS OF LIQUID SCINTILLATION SPECTROMETERS, I. [1963] 7p (figs refs tables omitted)
Order from SLA $1.10 TT-63-20867

Trans. of Radioisotopes (Japan) 1961, v. 10, no. 1, p. 27-36.

Zel'dovich, Ya.B.
TEORIA DE LOS MESONES π (K Teorii π-Mezonov) (Meson π Theory). 10p. 4refs. CID:63-347.
Order from OTS, ETC or CID $1.10 TT-63-26747

Trans. in Spanish of Akademiya Nauk SSSR. Doklady, 1954, v.97, no.2, p.225-228.

Instruments and Installations

STUDIES OF RADIATION IN SANITATION. 21 Nov 63, 18p 18refs JPRS: 21975, N64-10386.
Order from OTS $0.50 TT-63-41190

Trans. of Gigiena i Sanitariya (USSR) 1963, v. 28, no. 9, p. 5-11, 97-98, 101-103, 124-125.

Separate entries have been prepared for the individual articles.

Parhomenko, G. M.
HAZARDS OF RADIOACTIVE CONTAMINATION OF SURFACES WITH ALPHA-ACTIVE SUBSTANCES.
21 Nov 63, 4p 8refs JPRS: 21975.
Order from OTS $0.50 in TT-63-41190 (p. 13-16)

Trans. of Gigiena i Sanitariya (USSR) 1963, v. 28, no. 9, p. 101-103.

Zykova, A. S., Telushkina, E. L., Efremova, G. P., and Rublevskii, V. P.
THE RADIOACTIVITY LEVEL OF THE ATMOSPHERIC AIR OF MOSCOW FROM 1957 TO 1961.
21 Nov 63, 9p 6refs JPRS: 21975.
Order from OTS $0.50 in TT-63-41190 (p. 1-9)

Trans. of Gigiena i Sanitariya (USSR) 1963, v. 28, no. 9, p. 5-11. (Abstract available)

Nuclear Engineering and Power

THE FIRST SOVIET NUCLEAR REACTOR: SUMMARY OF DATA. Rept. no. 11 on AID Work Assignment no. 31. 9 Mar 64 [9p] 4refs AID Rept. P-64-13.
Order from OTS, SLA, or ETC $1.10 TT-64-13954

Kondurov, I. A. and Yashin, D. A.
PRODUCTION OF SHORT-LIVED RADIOISOTOPES IN THE VVR-M REACTOR (Proizvodstvo Korotkozhivushchikh Radioizotopov na Reaktore VVR-M) [1963] [14p] 2refs
Order from OTS, SLA, or ETC $1.60 AEC-tr-5757

Trans. of mono. Conference on Practical Applications of Short-Life Radioisotopes Produced in Small Research Reactors, Vienna, 5-9 Nov 62. Proceedings, preprint no. Sm-32/5.

PERSONNEL SUPPLIES AND PERSONAL EQUIPMENT

SKIN CREAMS. [1964] 1p
Order from SLA $1.10 TT-64-14857

Trans. of [Seifen-Öle-Fette-Wachse] (Germany) 1937 [v. 64] 17 Feb, p. 111 (German patent 640,019, 1934 (priority: United States)).

Brodersen, Karl and Quaedblieg, Matthias (Kosmetische Praparate).
COSMETIC PREPARATIONS. [1964] 2p
Order from SLA $1.10 TT-64-14861

Trans. of [Seiden-Öle-Fette-Wachse] (Germany) 1937 [v. 64] 14 Apr, p. 272 (German patent 642,344, 1935 (supplement to pat. 601,474)).

Chapek, A. V. and Ushakov, V. V.
NEW SOUND ABSORBING EAR MUFFS AND METHOD OF INVESTIGATING THEIR EFFECTIVENESS.
10 Dec 63, 3p FTD-TT-63-916 (p. 49-51).
Order from OTS, SLA, or ETC $6.60 in TT-64-13546 (p. 49-51)

Unedited rough draft trans. of mono. Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, 1962, p. 192-193.

Cotte, Jean-Marie and Danmanville, Bernard.
A SKIN PREPARATION FOR BODY HYGIENE, AND ITS USE IN THE PURE STATE OR AS A BASE FOR OTHER COSMETIC SUBSTANCES SUCH AS SERUMS, MILKS, BEAUTY CARE CREAMS, CAPILLARY PRODUCTS, DENTIFRICES, AND ALL OTHER ARTICLES FOR CARE AND HYGIENE. [1963] 4p
Order from OTS, SLA, orETC $1.10 TT-64-14786

Trans. of French patent 1,343,753, 14 Oct 63.

PHYSICS

EAST EUROPEAN SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 15. 6 Apr 64, 5p.
JPRS: 24035.
Order from OTS $0.50 TT-64-21985

Consists of abstracts of articles from selected scientific and technical journals of Bulgaria, Czechoslovakia, and Rumania.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 16. 8 Apr 64, 6p
JPRS: 24095.
Order from OTS $0.50 TT-64-31022

Consists of abstracts of articles from the scientific and technical journals of Bulgaria and Hungary.

JOURNAL OF ENGINEERING PHYSICS, 1963, VOL. 6, NO. 8. 16 Mar 64, 188p JPRS: 23705.
Order from OTS $3.00, $15.50/year TT-64-21801

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 8, p. 3-140.
Other translations of p. 41-44, 118-119 are available elsewhere.

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RUSSIAN PHYSICS QUARTERLY, VOL. 1, NO. 1, Fall 63, 165p
Order from International Physical Index, Inc., 1909 Park Ave., New York 35, N. Y. $100.00/year

Trans. of 15 selected articles from 7 Russian periodicals.

Separate entries have been prepared for the individual articles.

Bartels, H. and Beuchelt, R.
ON TYPICAL MANIFESTATIONS IN THE SPECTRUM OF DENSE PLASMAS. II. SIGNIFICANCE OF THE RADIATION DENSITY DISTRIBUTION IN DENSE PLASMAS DURING PULSE DISCHARGING OF MERCURY HIGHEST-PRESSURE ARCS. [1963] 28p
Order from SLA $2.60 TT-64-10907

Trans. of Zeits[chrift] für Physik (West Germany) 1957, v. 149 [no. 5] p. 608-623.

Borovik-Romanov, A. S., Orlova, M. P., and Strelkov, P. G.
THE MAGNETIC AND THERMAL PROPERTIES OF THREE MODIFICATIONS OF SOLID OXYGEN (Magnitnye i Teplovye Svoistva Trekh Modifikatsii Tverdogo Kisloroda) J. Macinko, tr. 1960 [10p] (foreign text included) 17refs [NBS] T-12.
Order from OTS, SLA, or ETC $1.10 TT-64-13338

Trans. of Akademiya Nauk SSSR. Doklady, 1954, v. 9[illegible] no. 5, p. 699-702.
Another trans. is available from LC or SLA mi$1.80, ph$1.80 as UCRL-Trans-554 [1960] 7p.

Borovitskii, S. I. and Gorelik, G. S.
HETERODYNING OF LIGHT. [1961] 11p 5refs
Order from OTS, SLA, or ETC $1.60 TT-64-14115

Trans. of Usp[ekhi] Fiz[icheskikh] Nauk (USSR) 1956, v. 59, no. 3, p. 543-552.
Another trans. is available from OTS $0.50 as TT-62-11564, MDF-B-176 [1961] 11p.

Deryagin, B. V. and Dukhin, S. S.
ON THE MOTION OF AEROSOL PARTICLES IN A DIFFUSION FIELD [O Dvizhenii Aerozol'nykh Chastits v Pole Diffuzii]. [1963] 9p 11refs
Order from OTS, SLA, or ETC $1.10 TT-64-10198

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1956, v. 106 [no. 5] p. 851-854. (Abstract available)
Another trans. is available from LC or SLA mi $2.40, ph$3.30 as TT-61-15731, RTS-1742, Feb 61 [12p].

Gurevich, V. L. and Efros, A. L.
THE THEORY OF ACOUSTOELECTRIC EFFECT. Fall 63, 8p 11refs
Order from International Physical Index, Inc., 1909 Park Ave., New York, 35, N. Y. $100.00/year in Russian Physics Quarterly, v. 1, no. 1 (p. 158-165)

Trans. of #Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1963, v. 44, no. 6, p. 2130-2141. (Abstract available)

Kovrizhnykh, L. M., Rukhadze, A. A., and Silin, V. P.
ON THE OSCILLATIONS OF AN INHOMOGENEOUS LOW-PRESSURE PLASMA. [1963] 21p 23refs
Order from OTS, SLA, or ETC $2.60 TT-64-14622

Trans. of A[kademiya] N[auk] SSSR. Fizicheskii Institut. [Rept]-A-7, 1962. (Abstract available)

Landau, L. D. and Stanyukovich, K. P.
INVESTIGATION OF THE DETONATION OF CONDENSED EXPLOSIVES. 6 Feb 64 [7p] 4refs
FTD-TT-63-1112.
Order from OTS, SLA, or ETC $1.10 TT-64-15197

Unedited rough draft trans. of Akademiya Nauk SSSR. Doklady, 1945, v. 46, no. 9, p. 399-402.

Pistunovich, V. I. and Shafranov, V. D.
CYCLOTRON RADIATION OF IONS IN PLASMA. [1963] 11p 13refs
Order from SLA $1.60 TT-64-14710

Trans. of Nuclear Fusion (Austria) 1961, v. 1, [no. 3] p. 189-194.

Electricity and Magnetism

Belov, K.P. and Agasyan, O.N.
VARIATION DE LA STRICTION MAGNÉTIQUE DES ALLIAGES DU TYPE 'INVAR" EN FONCTION DE LA TEMPÉRATURE (O Temperaturnoi Zavisimosti Magnitostriktsii Splavov Tipa Invar) (Temperature Dependence of the Magnetostriction of Invar-Type Alloys). 19p. (foreign text included) 6refs. CNRS-X 130.
Order from OTS, ETC or CNRS $1.60 TT-62-29121

Trans. in French of Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya, 1947, v.11, no.6, p.655-659.

Bogatyrev, E. E.
HIGH-PRECISION NUCLEAR METER FOR MEASURING MAGNETIC FIELD STRENGTH. 26 Feb 64, 18p 22refs JPRS: 23408.
Order from OTS $0.50 TT-64-21660

Trans. of Vsesoyuznyi Nauchno-Issledovatel'skii Institut Metrologii. Trudy (USSR) 1962, no. 67(127) p. 76-88. (Abstract available)

Dietrich, Isolde and Kerps, Dietrich.
MEASUREMENT OF SWITCHING TIME TO DETERMINE THE CRITICAL CURRENT FOR THIN SUPERCONDUCTIVE LAYERS. [1963] 13p 7refs
Order from SLA $1.60 TT-64-14631

Trans. of [Zeitschrift für Angewandte Physik] (West Germany) 1962, v. 14, no. 12, p. 709-713. (Abstract available)

D'yakov, G.P.
VARIATION DE LA STRICTION MAGNÉTIQUE DU NICKEL EN FONCTION DE LA TEMPÉRATURE (O Temperaturnoi Zavisimosti Magnitostriktsii Nikelya) (Temperature Dependence of the Magnetostriction of Nickel). 24p. (foreign text included) 9refs. CNRS-X 131.
Order from OTS, ETC or CNRS $2.60 TT-62-29119

Trans. in French of Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya, 1947, v.11, no.6, p.667-675.
Another trans. is available in English from SLA as RT-376, 16p

Men, Sian'-jen.
THE EFFECT OF MAGNETIC ANISOTROPY ON THE SPECTRUM OF SPIN WAVES. Fall 63, 7p 16refs
Order from International Physical Index, Inc., 1909 Park Ave., New York 35, N. Y. $100.00/year in Russian Physics Quarterly, v. 1, no. 1 (p.143-149)

Trans. of #Fizika Tverdogo Tela (USSR) 1963, v. 5, no. 6, p. 1611-1619. (Abstract available)

Pačes, J.
VARIATION DE LA MAGNÉTORÉSISTANCE AU VOISINAGE DU POINT DE CURIE (Gal'vanomagnitnyi Effekt v Oblasti Temperatury Kyuri) (Magnet-Resistance Change in the Region of the Curie Point). 31p. (foreign text included) 10refs. CNRS-X 464.
Order from OTS, ETC or CNRS $3.60 TT-62-29099

Trans. in French of Chekhoslovatskii Fizicheskii Zhurnal, 1957, v.7, no.6, p.729-743.

Valenta, L.
SUR LA THÉORIE DE L'AIMANTATION SPONTANÉE DES FILMS MINCES (K Teorii Spontannoi Nomagnichennosti Tonkikh Sloev) (On the Theory of the Spontaneous Magnetization of Thin Films). 52p. (foreign text included) 23refs. CNRS-X 424.
Order from OTS, ETC or CNRS $5.60 TT-62-29096

Trans. in French of Chekhoslovatskii Fizicheskii Zhurnal, 1957, v.7, no.2, p.127-151.

Vlasov, A. Ya.
EFFECT OF METHOD OF DEMAGNETIZING SAMPLE ON MAGNETOSTRICTION (Vliyanie Sposoba Razmagnichivaniya Obraztsa na Velichinu Magnitostriktsii) P. Beckmann, tr. 18 Oct 63 [7p] (foreign text included) 7refs
Order from OTS, SLA, or ETC $1.10 TT-63-24398

Trans. of Ak[ademiya] Nauk SSSR. Izv[estiya]. Ser[iya] Fizich[eskaya] 1952, v. 16, no. 6, p. 680-682.

Electronics

NEWS OF HIGHER EDUCATIONAL INSTITUTIONS, MINISTRY OF HIGHER AND SECONDARY SPECIALIZED EDUCATION USSR, RADIOPHYSICS SERIES, 1963, VOL. 6, NO. 5. 10 Mar 64, 305p JPRS: 23589.
Order from OTS $5.00, $24.00/year TT-64-21748

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 5, p. 877-1077.

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Golant, V. E.
DIFFUSION OF CHARGED PARTICLES IN A MAGNETIC FIELD. Fall 63, 48p 129refs
Order from International Physical Index, Inc., 1909 Park Ave., New York 35, N. Y. $100.00/year in Russian Physics Quarterly, v. 1, no. 1 (p. 19-66)

Trans. of #Uspekhi Fizicheskikh Nauk (USSR) 1963 v. 79, no. 3, p. 377-440.
Another trans. is available from OTS, SLA or ETC $9.10 as TT-63-20938 [1963] [108p]

Petrov, A. Z.
CENTRALLY-SYMMETRICAL GRAVITATIONAL FIELDS. Fall 63, 7p 20refs
Order from International Physical Index, Inc., 1909 Park Ave., New York 35, N. Y. $100.00/year in Russian Physics Quarterly, v. 1, no. 1 (p. 67-73)

Trans. of #Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1963, v. 44, no. 5, p. [1525]-1533. (Abstract available)

Tischer, Manfred.
THE MECHANISM OF EMISSION OF THE BN-CATHODE. [1963] 39p 25refs
Order from SLA $3.60 TT-64-14624

Trans. of Zeitschrift für Angewandte Physik (West Germany) 1963, v. 15, no. 6, p. 509-518. (Abstract available)

Vykhovskaya, L. N. and Kushnir, Yu. M.
ELECTRON-OPTICAL INVESTIGATIONS OF MULTI-LAYER PHOTOCATHODES. [1963] [12p] 9refs
AERDL T-1710.
Order from OTS, SLA, or ETC $1.60 TT-64-13557

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) 1955, v. 25, no. 14, p. 2477-2485.

Molecular Physics and Spectroscopy

DETECTION OF THE TRIPLET STATE BY EPR AND OTHER METHODS: COMPILATION OF ABSTRACTS BASED ON SOVIET OPEN LITERATURE. Rept. on AID Work Assignment no. 43. 31 Mar 64 [44p] 90refs
AID Rept. P-64-17.
Order from OTS, SLA, or ETC $4.60 TT-64-15198

Gor'kov, L. P. and Pitaevskii, L. P.
THE ENERGY OF THE SPLITTING OF TERMS OF A HYDROGEN MOLECULE. [1963] 7p (fig omitted) 3refs
Order from OTS, SLA, or ETC $1.10 TT-64-14177

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 151 [no. 4] p. 822-825.

Kripskii, A. M.
USE OF THE MF-4 MICROPHOTOMETER AS A RADIATION RECEIVER IN SPECTRAL ANALYSES. 7 Nov 63, 9p 7refs FTD-TT-63-688 (p. 49-57).
Order from OTS, SLA, or ETC $9.10 in TT-64-13319 (p. 49-57)

Unedited rough draft trans. of B[elorusskii] P[olitekhnicheskii] I[nstitut]. Sbornik Nauchnykh Rabot (USSR) 1960, v. 82 [p. 120-125]. (Abstract available)

Mikhailov, G. P. and Borisova, T. I.
MOBILITY IN POLYHALOGENOSTYRENE. PT. I. INVESTIGATION OF THE FORMS OF MOTION IN POLY-2-FLUORO-5-METHYL-STYRENE BY MEASUREMENT OF DIELECTRIC CONSTANT AND DIELECTRIC LOSS (K Voprosu o Podvizhnosti Makromolekul Poligalogenstirolov. I. Issledovanie Form Molekulyarnogo Dvizhenya Poli-2-Ftor-5-Metilstirola Metodom Dielektricheskikh Poter' i Polyarizatsii). B. E. C. Dickinson, tr. Jan 64 [13p] 20refs
RAE Library Trans. no. 1057.
Order from OTS, SLA, or ETC $1.60 TT-64-13953

Trans. of Vysokomolekulyarne Soedineniya (USSR) 1962, v. 4 [no. 11] p. 1732-1738.

Muel, Bernard and Hubert-Habart, Michel.
PHOSPHORESCENCE SPECTRUM OF 3,4-BENZO-PYRENE IN RIGID SOLUTION AT -180°C. [1962] 14p 1ref
Order from SLA $1.60 TT-64-14768

Trans. of J[ournal] de Chimie Physique (France) 1958, v. 55, no. 5, p. 377-382.
Another trans. is available from K-H $17.50 as K-H-8650-c [1962] 14p.

Nordmeyer, M.
THE ILLUMINATION OF SPECTROGRAPHS. [1964] 12p 5refs
Order from SLA $1.60 TT-64-14930

Trans. of Spectrochimica Acta (England) 1955, v. 7, p. 128-133.

Piskunov, A. K. and Nurmukhametov, R. N. and others.
INVESTIGATION OF PHOTO EXCITED TRIPLET STATES OF POLYATOMIC MOLECULES BY THE EPR AND PHOSPHORESCENCE METHOD. 28 Feb 64 [9p] 7refs FTD-TT-64-183.
Order from OTS, SLA, or ETC $1.10 TT-64-15117

Unedited rough draft trans. of A[kademiya] N[auk] SSSR. Izvestiya. Seriya Fizicheskaya, 1963, v. 27, no. 5, p. 634-637.

Shigorin, D. N., Shapet'ko, N. N., Skoldinov, A. P., Ryabchikova, T. S.
THE NATURE OF THE H-BOND IN SYSTEMS CONTAINING π-ELECTRONS AND THE EFFECT OF THE BOND ON THE MAGNETIC RESONANCE OF THE PROTONS (Priroda H-Svyazi v Sistemakh s π-Elektronami i Ee Vliyanie na Protonnyi Magnitnyi Rezonans) J. P. Ruban, tr. 1963 [6p] (figs omitted) 10refs
Trans. no. 6457.
Order from OTS, SLA, or ETC $1.10 TT-64-15147

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1963, v. 148, no. 5, p. 1141-1144.

Solid State Physics

Bublik, A. I.
ÉTUDE ÉLECTRONOGRAPHIQUE DE PELLICULES MINCES D'ARGENT (Electronographic Examination of Thin Silver Films). 8p. 5refs. CNRS-VIII bis 194
Order from OTS, ETC or CNRS $1.10 TT-62-26660

Trans. in French of Akademiya Nauk SSSR. Doklady, 1954, v. 95, no. 3, p. 521-523.

Fassbender, J.
THE EFFECT OF A GLOW DISCHARGE ON THE CONDUCTIVITY OF CADMIUM SULFIDE SINGLE CRYSTALS AND THE FORMATION OF OHMIC CONTACTS. [1963] 27p (refs omitted)
Order from SLA $2.60 TT-64-14237

Trans. of Zeitschrift für Physik (West Germany) 1956, v. 145, p. 301-318. (Abstract available)

Kastler, A.
ATOMS INSIDE A FABRY-PEROT INTERFEROMETER. [1963] 26p
Order from SLA $2.60 TT-64-14648

Trans. of Applied Optics (U. S.) 1962 [v. 1] p. 67-74.

Kripyakevich, P. I.
DEPENDENCE ON THE QUANTITATIVE PHASE COMPOSITION ON THE RATIO OF ATOMIC RADII IN ONE CLASS OF THE INTERMETALLIC PHASES (Zavisimost' Kolichestvennogo Sostava Fazy ot Otnosheniya Atomnykh Radiusov u Odnogo Klassa Intermetallicheskikh Faz)
L. Venters, tr. Apr 63 [7p] 8refs
Order from OTS, SLA, or ETC $1.10 AEC-tr-5784

Trans. of Akademiya Nauk SSSR. Doklady, 1952, v. 85 [no. 2] p. 321-[324].
Another trans. is available from FRI as no. 47.

Kurov, G.A.
RÉSISTANCE ÉLECTRIQUE ET TRANSPARENCE DES PELLICULES D'ALLIAGES MgSb, MgBi, MgSn (Electric Resistance and Transparence of Films of the Alloys Magnesium-Antimony, Magnesium-Bismuth, and Magnesium-Tin). 7p. 6refs.
CNRS-VIII bis 206.
Order from OTS, ETC or CNRS $1.10 TT-62-26713

Trans. in French of Akademiya Nauk SSSR. Doklady 1954, v. 94, no. 2, p. 207-208.

Vartanyan, A.T.
PHOTO CONDUCTIBILITÉ DE L'ANTRACÈNE SOLIDE (Photoconductivity of Solid Anthracene). 4p. 3refs. CNRS-VIII bis 251.
Order from OTS, ETC or CNRS $1.10 TT-62-26694

Trans. in French of Akademiya Nauk SSSR. Doklady 1950, v. 71, no. 4, p. 641-642.
Another trans. is available in English from SLA as RT-736, 3p.

Volokobinskii, Yu. M.
INFLUENCE DU CHAMP ÉLECTRIQUE SUR LES PROPRIÉTÉS DES DIÉLECTRIQUES MINCES ET LES COUCHES SÉMI-CONDUCTRICES (Vliyanie Elektricheskogo Polya na Svoistva Tonkikh Dielektricheskikh i Poyprovodnikovykh Sloev) (The Influence of Electric Fields on the Properties of Thin Dielectric and Semi-Conducting Films). 8p. (foreign text included) 1ref. CNRS-X 450.
Order from OTS, ETC or CNRS $1.10 TT-62-29104

Trans. in French of Akademiya Nauk SSSR. Doklady, 1957, v. 113, no. 5, p. 1023-1024.
Another trans. is available in English from SLA as R-4239, 4p.

Wagner, Rolf.
THE ANGLE DEPENDENCE OF THE MAGNETIC FIELD INDUCED ANISOTROPY IN THE IRON, NICKEL, FERRITE SINGLE CRYSTAL (Die Winkelabhängigkeit der Magnetfeldinduzierten Anisotropie im Eisen-Nickel-Ferrit-Enkristall). [1963] [24p] (foreign text included)
Order from SLA $2.60 TT-64-14745

Trans. of Annalen der Physik (East Germany) 1961 [ser. 7] v. 7, p. 302-311.

Theoretical Physics

Bunkin, F. V.
THE THEORY OF IRREVERSIBLE PROCESSES IN NONSTATIONARY SYSTEMS. Fall 63, 7p 14refs
Order from International Physical Index, Inc., 1909 Park Ave., New York 35, N. Y. $100.00/year
in Russian Physics Quarterly, v. 1, no. 1 (p. 88-94)

Trans. of #Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1963, v. 44, no. 5, p. 1567-1576. (Abstract available)

Cheshkov, A. A. and Shirokov, Yu. M.
INVARIANT PARAMETRIZATION OF LOCAL OPERATORS. Fall 63, 8p 10refs
Order from International Physical Index, Inc., 1909 Park Ave., New York 35, N. Y. $100.00/year
in Russian Physics Quarterly, v. 1, no. 1 (p. 150-157)

Trans. of #Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1963, v. 44, no. 6, p. [1982]-1992. (Abstract available)

Geshkenbein, B. V. and Ioffe, B. L.
RESTRICTIONS ON THE MAGNITUDES OF THE COUPLING CONSTANTS IN QUANTUM FIELD THEORY, PT. 1. Fall 63, 11p 13refs
Order from International Physical Index, Inc., 1909 Park Ave., New York 35, N. Y. $100.00/year in Russian Physics Quarterly, v. 1, no. 1 (p. 1-11)

Trans. of #Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1963, v. 44, no. 4, p. 1211-1227. (Abstract available)

Godunov, S. K.
FINITE DIFFERENCE METHOD FOR NUMERICAL COMPUTATION OF DISCONTINUOUS SOLUTIONS OF THE EQUATIONS OF FLUID DYNAMICS [Rasnostnyi Metod Chislennogo Rascheta Razryvnykh Reshenig Uravneniya Gidrodinamik]. [1963] 48p 4refs
Order from OTS, SLA, or ETC $4.60 TT-64-14614

Trans. of Matematicheskii Sbornik (USSR) 1959, v. 47(89) no. 3, p. 271-[306].
Another trans. is available from OTS $1.50 as TT-61-11573, IPRS-7225, 29 Nov 60, 61p.

Gor'kov, L. P. and Dzyaloshinskii, I. E.
THE POSSIBILITY OF OSCILLATIONS OF THE ZERO SOUND TYPE IN METALS. Fall 63, 8p 8refs
Order from International Physical Index, Inc., 1909 Park Ave., New York 35, N. Y. $100.00/year in Russian Physics Quarterly, v. 1, no. 1 (p. 95-102)

Trans. of #Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1963, v. 44, no. 5, p. 1650-1660. (Abstract available)

Kiselev, M. I.
THE DYNAMICS OF CONDUCTING CONTINUUM IN A STRONG MAGNETIC FIELD. 31 Dec 63, 7p 10refs JPRS: 22567 (p. 103-109).
Order from OTS $6.00 in TT-64-21186 (p. 103-109)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Kukudzhanov, V. N.
SPHERICAL WAVE PROPAGATION IN A VISCO-ELASTIC MEDIUM. 31 Dec 63, 18p 6refs JPRS: 22567 (p. 110-127).
Order from OTS $6.00 in TT-64-21186 (p. 110-127)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3. (Abstract available)

Lifshits, I. M.
ON THE STRUCTURE OF THE ENERGY SPECTRUM OF IMPURITY BANDS IN DISORDERED SOLID SOLUTIONS. Fall 63, 14p 3refs
Order from International Physical Index, Inc., 1909 Park Ave., New York 35, N. Y. $100.00/year in Russian Physics Quarterly, v. 1, no. 1 (p. 74-87)

Trans. of #Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1963, v. 44, no. 5, p. 1723-1741. (Abstract available)

Meiman, N. N.
ANALYTICAL EXPRESSIONS FOR THE UPPER LIMITS OF THE COUPLING CONSTANTS IN QUANTUM FIELD THEORY. Fall 63, 7p 8refs
Order from International Physical Index, Inc., 1909 Park Ave., New York 35, N. Y. $100.00/year in Russian Physics Quarterly, v. 1, no. 1 (p. 12-18)

Trans. of #Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1963, v. 44, no. 4, p. 1228-1238.

Rylov, Yu. A.
NORMAL COORDINATES AND THE GENERAL RELATIVITY PRINCIPLE. Fall 63, 8p 10refs
Order from International Physical Index, Inc., 1909 Park Ave., New York 35, N. Y. $100.00/year in Russian Physics Quarterly, v. 1, no. 1 (p. 114-121)

Trans. of Moscow U. Vestnik. Seriya [3] Fizika, Astronomiya (USSR) 1963 [v. 18] no. 3, p. 55-65. (Abstract available)

Thermodynamics

Kaganer, M. G.
ISOTHERMAL JOULE-THOMPSON EFFECT AND EQUATION OF STATE OF GASES WITH NONPOLAR MOLECULES. [1964] 25p 26refs
Order from OTS, SLA, or ETC $2.60 TT-64-14989

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1956, v. 30, no. 12, p. 2691-2704.

Kirillin, V. A.
PROBLEMS OF HIGH-TEMPERATURE THERMOPHYSICS. 3 Dec 63 [12p] FTD-TT-63-1090.
Order from OTS, SLA, or ETC $1.60 TT-64-15119

Unedited rough draft trans. of A[kademiya] N[auk] SSSR Vestnik, 1963 [v. 33] no. 2, p. 38-43.
Other translations are available from OTS $0.50 as TT-63-21479, JPRS-18497, 2 Apr 63 [9p] and from HMSO $0.77 in NLL Translations Bulletin, 1963, v. 5, no. 8.

Kotlyar, S. M.
HEAT CONDUCTION IN A TWO-LAYER SYSTEM. 9 Jan 64 [7p] 3refs FTD-TT-63-1135.
Order from OTS, SLA, or ETC $1.10 TT-64-15120

Unedited rough draft trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 8, p. 37-40.

Krem'nov, O. O., Semilet, Z. V., and Buts'kii, M. D.
A STUDY OF HEAT TRANSFER AND RESISTANCE FOR THE ELEMENTS OF LAMINAR HEAT EXCHANGERS WITH RIBBED AND CORRUGATED PACKING (Doslizhdennya Teploviddachi ta Oporu Elementiv Orebrenikh Plastinchastikh Teploobminnikiv z Perforovanimi i Khvilyastimi Nasadkami). Jan 64 [5p] 1ref RTS-2388.
Order from OTS, SLA, or ETC $1.10 TT-64-13727

Trans. of Akademiya Nauk URSR [Kiev]. Dopovidi, 1962, no. 2, p. 196-200.

Kutateladze, S. S.
HYDRODYNAMIC THEORY OF THE CHANGE OF BOILING REGIME OF A LIQUID WITH FREE CONVECTION [Gidrodnamicheskaya Teoriya Izmeneniya Rezhima Kipeniya Zhidkosti pri Svobodnoi Konvektsii]. [1964] 15p 10refs
Order from OTS, SLA, or ETC $1.60 TT-64-16013

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1951, no. 4, p. 529-536. Another trans. is available from SLA as RT-1870.

Margolin, A. D., Chekirda, L. F., and Chuyko, S. V.
BURNING STABILITY OF LIQUID EXPLOSIVE MATERIALS WITH CONSTANT PRESSURE. 31 Dec 63, 17p 5refs JPRS: 22567 (p. 86-102).
Order from OTS $6.00 in TT-64-21186 (p. 86-102)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3.

Seletskii, Anatol and Blyum, Aleksander.
DIAGRAM I-x FOR A STEAM-HYDROGEN SYSTEM
I. V. Baker, tr. 17 Dec 63 [11p] 2refs RSIC-106.
Order from OTS, SLA, or ETC $1.60 TT-64-13302

Trans. of Khimicheskaya Promyshlennost' (USSR) 1960, no. 5, p. 411-413.
Another trans. is available from OTS or SLA $1.10 as TT-62-33405, FTD-TT-62-1052, 13 Aug 62 [9p].

Sevast'yanov, R. M.
THERMODYNAMIC FUNCTIONS OF GASES AT HIGH TEMPERATURES. 31 Dec 63, 13p 14refs
JPRS: 22567 (p. 209-221).
Order from OTS $6.00 in TT-64-21186 (p. 209-221)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3. (Abstract available)

Timrot, D. L. and Khlopkina, A. V.
EXPERIMENTAL DETERMINATION OF THE VISCOSITY OF WATER AND STEAM AT HIGH TEMPERATURES AND PRESSURES (Eksperimental'noe Opredelenie Vyazkosti Vody i Vodyanogo para pri Vysokikh Parametrakh). Jan 64 [11p] 10refs RTS-2401.
Order from OTS, SLA, or ETC $1.60 TT-64-13741

Trans. of Teploenergetika (USSR) 1963 [v. 10] no. 7, p. 64-67. (Abstract available)

Vargaftik, N. B. and Zaitseva, L. S.
THERMAL CONDUCTIVITY OF D_2O IN THE GAS PHASE (Teploprovodnost' D_2O v Gazovoi Faze).
Jan 64 [7p] 8refs RTS-2367.
Order from OTS, SLA, or ETC $1.10 TT-64-13731

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5, p. 3-6. (Abstract available)
Another trans. is available from OTS $3.50 in TT-64-21181, JPRS-22553 (p. 3-8).

Zolotarev, P. P.
EQUATIONS FOR HEAT CONDUCTIVITY IN A HETEROGENEOUS CONTINUUM. 31 Dec 63, 10p 9refs
JPRS: 22567 (p. 296-305).
Order from OTS $6.00 in TT-64-21186 (p. 296-305)

Trans. from Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 3. (Abstract available)

Wave Propagation

Blau, Edmund J., comp.
RELATIVISTIC EFFECT ON THE CLASSICAL DOPPLER SHIFT: AN ANNOTATED BIBLIOGRAPHY 1956-63. 10 Feb 64 [10p] 17refs APL/JHU TG 230-B2.
Contract NOw-62-0604-c
Order from OTS $0.50 TT-64-11601

Gdalevich, G. L., Gringauz, K. I., Rudakov, V. A., and Rytov, S. M.
THE EFFECT OF THE IONOSPHERE ON DETERMINING THE POSITION OF COSMIC ROCKETS.
Fall 63, 7p 25refs
Order from International Physical Index, Inc., 1909 Park Ave., New York 35, N. Y. $100.00/year in Russian Physics Quarterly, v. 1, no. 1 (p. 136-142)

Trans. of #Radiotekhnika i Elektronika (USSR) 1963, v. 8, no. 6, p. 942-949. (Abstract available)

RESEARCH METHODS, TECHNIQUES AND EQUIPMENT

ACHIEVEMENTS IN 1963 AND PLAN FOR 1964 OF THE RUMANIAN ACADEMY OF SCIENCES. 6 Apr 64, 9p JPRS: 24047.
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Trans. from Scinteia (Rumania) 1964, 26 Jan. p. 3.

TRANSLATED SWISS PATENTS (FIRST CLAIM ONLY).
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Trans. of Swiss patents including patent number, class number, name and residence of patentee and patent owner, title, filing and priority date, and first claim. Excluded are those patents bearing priority dates from Australia, Austria, Canada, Great Britain, United States, and West Germany.

Luk, A. N.
INFORMATION AND MEMORY (Informatsiya i Pamyat'). 3 Apr 64, 24p JPRS: 24021.
Order from OTS $0.75 TT-64-21976

Trans. of [Novoe v Zhizni, Nauke, Tekhnike. Seriya 9: Fizika i Khimiya] (USSR) 1963, no. 22, p. 1-24.

Nikolaev, G. A.
THE ORGANIZATION OF SCIENTIFIC WORK IN THE VUZES. 11p JPRS: 22673 (p. 7-17).
Order from OTS $0.75 in TT-64-21250 (p. 7-17)

Trans. of Vestnik Vysshei Shkoly (USSR) 1963, v. 21, no. 7, p. 34-40.

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Photographic Equipment

Kahn, Erik and Kahn, Werner.
AUTOMATIC EXPOSURE CONTROL FOR CAMERAS. 10 Feb 64 [5p] FTD-TT-63-1002.
Order from OTS $0.50 TT-64-11604

Unedited rough draft trans. of Russian patent no. 125134, appl. 628388/26, 18 May 59.

Orlov, A. P.
A DEVICE FOR SEMIAUTOMATIC SETTING OF AN EXPOSURE IN A CAMERA. Feb 64 [7p] FTD-TT-63-1003.
Order from OTS $0.50 TT-64-11603

Unedited rough draft trans. of Russian patent no. 122021, appl. 279688/26, 28 Jun 57.

Shakhverdov, A. Sh.
WIDE ANGLE CONDENSER. 19 Feb 64 [8p] FTD-TT-63-1098.
Order from OTS $0.50 TT-64-11602

Unedited rough draft trans. of Geodeziya i Kartografiya (USSR) 1962, no. 1, p. 43-47.

SOCIAL SCIENCES

THE ANNUAL MEETING OF THE BULGARIAN ACADEMY OF SCIENCES. 3 Apr 64, 3p JPRS: 24018.
Order from OTS $0.50 TT-64-21973

Trans. from Zemedelsko Zname (Bulgaria) 1963, 21 Feb, p. 3.

HERALD OF HIGHER EDUCATION, 1963, VOL. 21, NO. 7 [SELECTED TRANSLATIONS]. 9 Jan 64, 25p JPRS: 22673.
Order from OTS $0.75 TT-64-21250

Trans. of Vestnik Vysshei Shkoly (USSR) 1963, v. 21, no. 7, p. 24-27, 34-40, 74, 76-78.

Separate entries have been prepared for 2 articles.

Bykovskii, Valerii.
AN EXPLOIT IN OUTER SPACE IS AN EXPLOIT OF THE PEOPLE. 26 Feb 64 [5p] FTD-TT-64-94.
Order from OTS, SLA, or ETC $1.10 TT-64-15086

Unedited rough draft trans. from Izvestiya (USSR) 1963, no. 307 (14470) 31 Dec, p. 3.

Kulik, V. T.
GROUP STUDIES WITH THE USE OF PROGRAMMED TEXTS. 9 Jan 64, 6p JPRS: 22673 (p. 1-6).
Order from OTS $0.75 in TT-64-21250 (p. 1-6)

Trans. of Vestnik Vysshey Shkoly (USSR) 1963, v. 21, no. 7, p. 24-27.

Office of Technical Serivces, Dept. of Commerce, Washington, D. C.
ANTHROPOMETRY. Dec 63, 12p
OTS Selective Bibliography SB-525
Order from OTS $0.10 OTS SB-525

Pavlenko, V.
ECONOMIC REGIONALIZATION IN NEW CONDITIONS Feb 64, 15p
Order from HMSO $0.77, $9.86/year in NLL Translations Bulletin, 1964, v. 6, no. 2 (p. 150-164)

Trans. of Ekonomicheskaya Gazeta (USSR) 1963, no. 42(115) p. 12-13.

Documentation

CHRONICLE: [SESSIONS ON CLASSIFICATION, CYBERNETICS, AND PROBLEMS OF LIBRARY WORK]. 30 Dec 63, 3p JPRS: 22484 (p. 24-26).
Order from OTS $0.75 in TT-64-21140 (p. 24-26)

Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) 1963, no. 5, p. 45.

FOREIGN DEVELOPMENTS IN MACHINE TRANSLATION AND INFORMATION PROCESSING NO. 148. 30 Dec 63, 26p 6refs JPRS: 22484.
Order from OTS $0.75 TT-64-21140

Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) 1963, no. 5, p. 3-7, 25-27, 45.

Separate entries have been prepared for the individual articles.

FOREIGN DEVELOPMENTS IN MACHINE TRANSLATION AND INFORMATION PROCESSING NO. 149. 31 Dec 63, 54p 9refs JPRS: 22547.
Order from OTS $1.50 TT-64-21177

Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) 1963, no. 6, p. 6-23, 40.

Separate entries have been prepared for the individual articles.

INFORMATION BRIEFS. 31 Dec 63, 4p JPRS: 22547 (p. 51-54).
Order from OTS $1.50 in TT-64-21177 (p. 51-54)

Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) 1963, no. 6, p. 40.

NLL TRANSLATIONS BULLETIN, 1964, VOL. 6, NO. 2, P. 111-212. Feb 64, 1v.
Order from HMSO $0.77, $9.86/year

This bulletin includes books received from the USSR, reports on visits, translations available for purchase or on loan from N. L. L. and 6 articles from 1963 issues of Russian journals.

Separate entries have been prepared for the 6 articles.

SUMMARY OF RECOMMENDED RULES IN FIELD OF SCIENTIFIC PUBLISHING. 31 Dec 63, 6p JPRS: 22547 (p. 10-15).
Order from OTS $1.50 in TT-64-21177 (p. 10-15)

Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) 1963, no. 6, p. 10-12.

Frenk, L. Kh.
BETTER USE OF THE UNIVERSAL DECIMAL CLASSIFICATION. 31 Dec 63, 5p JPRS: 22547 (p. 46-50).
Order from OTS $1.50 in TT-64-21177 (p. 46-50)

Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) 1963, no. 6, p. 22-23.

Orlovskii, E. S.
PATENT DESCRIPTIONS AS A SOURCE OF SCIENTIFIC TECHNICAL INFORMATION. 31 Dec 63, 9p JPRS: 22547 (p. 1-9).
Order from OTS $1.50 in TT-64-21177 (p. 1-9)

Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) 1963, no. 6, p. 6-9. (Abstract available)
Another trans. is available from OTS, SLA, or ETC $1.60 as TT-63-24603. 19 Nov 63, 20p.

Sagalovich, N. M.
MACHINE INDEXING OF ABSTRACT JOURNALS. 31 Dec 63, 11p JPRS: 22547 (p. 32-42)
Order from OTS $1.50 in TT-64-21177 (p. 32-42)

Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) 1963, no. 6, p. 18-20. (Abstract available)

Tyshkevich, N. I.
BASIC PROBLEMS IN MECHANIZING INFORMATION PREPARATION AND RETRIEVAL. 30 Dec 63, 11p JPRS: 22484 (p. 1-11).
Order from OTS $0.75 in TT-64-21140 (p. 1-11)

Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) 1963, no. 5, p. 3-7. (Abstract available)

Veger, M. G. and Kyuri, N. P.
USING MACHINES TO PREPARE SIMPLIFIED AUTHOR INDEXES. 31 Dec 63, 3p JPRS: 22547 (p. 43-45).
Order from OTS $1.50 in TT-64-21177 (p. 43-45)

Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) 1963, no. 6, p. 21. (Abstract available)

Vleduts, G. E., Osipenko, Ts. D., and Pappe, I. Ya.
AUTOMATING THE COMPILATION OF FORMULA INDICATORS OF CHEMICAL COMPOUNDS. 31 Dec 63, 16p 9refs JPRS: 22547 (p. 16-31).
Order from OTS $1.50 in TT-64-21177 (p. 16-31)

Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) 1963, no. 6, p. 13-17. (Abstract available)

Zybailo, A.
SOBRE LA SIMPLIFICACION DEL ESTUDIO Y DE LA PREPARACION DE LA DOCUMENTACION TECNICA (Ob Uproshchenii Razrabotki i Oformleniya Tekhnicheskoi Dokumentatsii) (On the Simplification of the Examination and Elaboration of Technical Documentation). 9p. CID:63-346.
Order from OTS, ETC or CID $1.10 TT-63-26746

Trans. in Spanish of Avtomobil'naya Promyshlennost' (USSR) 1954, no. 11, p. 4-6.

BOOK REVIEWS

The following book reviews can be ordered by number from OTS or SLA for $1.10 each. Each review includes, in addition to the material shown, a detailed statement of the coverage of the book and detailed table of contents.

BR-SOV/6462
Kobrin, Mikhail Moiseyevich
STRENGTH OF ROTATING DISKS (Prochnost' vrashchayuschikhsya diskov) Leningrad, Sudpromgiz, 1963. 339 p. 1200 copies printed.

BR-SOV/6465
Ivchenko, Yevgeniya Gordeyevna and others
SULPHUROUS AND HIGH-SULPHUR OILS OF THE BASHKIR A.S.S.R.; A HANDBOOK (Sernistyye i vysokosernistyye nefti Bashkirskoy ASSR; spravochnaya kniga) Moscow, Gostoptekhizdat, 1963. 232 p. 1400 copies printed.

BR-SOV/6466
Vdovenko, Viktor Mikhaylovich, Corresponding Member, Academy of Sciences USSR
ACADEMICIAN V. G. KHLOPIN; A SCIENTIFIC CAREER (Akademik V. G. Khlopin; nauchnaya deyatel'nost') Moscow, Gosatomizdat, 1962. 126 p. 9000 copies printed.

BR-SOV/6467
Ventsel', Sergey Veniaminovich
LUBRICATION OF INTERNAL-COMBUSTION ENGINES (Smazka dvigateley vnutrennego sgoraniya) Moscow, Mashgiz, 1963. 178 p. 10,000 copies printed.

BR-SOV/6471
Ponomarev, Aleksandr Filippovich, and others
LUBRICATION OF EQUIPMENT (Smazka oborudovaniya) 2d ed. rev. and enl. Moscow, Mashgiz, 1962. 316 p. 24,000 copies printed.

BR-SOV/6472
Bratsykhin, Yevgeniy Aleksandrovich
PLASTICS TECHNOLOGY (Tekhnologiya plasticheskikh mass) Leningrad, Goskhimizdat, 1963. 399 p. Errata slip inserted. 25,000 copies printed.

BR-SOV/6485
Sterman, Lev Samoylovich, Doctor of Technical Sciences
THERMAL SYSTEM OF ATOMIC ELECTRIC-POWER STATIONS (Teplovaya chast' atomnykh elektrostantsiy) Moscow, Gosatomizdat, 1963. 157 p. 3950 copies printed.

BR-SOV/6497
Klemparskaya, N. N., N. V. Rayeva, and others.
ANTIBACTERIAL IMMUNITY AND RADIORESISTANCE (Antibakterial'nyy immunitet i radiorezistentnost') [Moscow], Medgiz, 1963. 119 p. 3000 copies printed

BR-SOV/6498
Keropyan, K. K., Doctor of Technical Sciences, Professor and others.
ELECTRICAL ANALOG COMPUTATION IN STRUCTURAL MECHANICS (Elektricheskoye modelirovaniye v stroitel'noy mekhanike) Moscow, Gosstroyizdat, 1963. 390 p. Errata slip inserted. 5000 copies printed.

BR-SOV/6578
Karpov, Rimma Grigor'yevich
ELECTRONICS IN THE TESTING OF HEAT ENGINES (Elektronika v ispytanii teplovykh dvigateley) Moscow, Mashgiz, 1963. 166 p. 5000 copies printed.

TRANSLATIONS IN PROCESS

PROGRAMMED INSTRUCTION AND CYBERNETIC TEACHING MACHINES.
Russian mono. Programmirovanie Obuchenie i Kiberneticheskie Obuchayushchie Mashiny, n.p. 1963, 247p.

Abagyan, L. P. and others.
GROUP CONSTANTS FOR DESIGNING NUCLEAR REACTORS.
Mono. Gruppovye Konstanty dlya Rascheta Yadernykh Reaktorov, Moscow, 1964, 139 p.
To be published by CB after Mar 65.

Al'pert, Ya. L., and others
ARTIFICIAL SATELLITES IN RAREFIED PLASMA.
Mono. Iskusstvennye sputniki v Razrezhennoi Plazme, Moscow, 1964, 382 pp.
To be published by CB after Jan 65.

Krasovski, A. A.
THE DYNAMICS OF CONTINUOUS SELF-ADAPTING SYSTEMS.
Unidentified mono. pub. Moscow, 1963.
To be published by Blackie and Son, Ltd., 5 Fitzhardinge Street, London, W.1., England.

Rebinder, P. A. and others.
THE USE OF SURFACE ACTIVE SUBSTANCES IN THE PETROLEUM INDUSTRY.
Mono. Primenenie Poverkhnostno-aktivnikh Yeshchest'v Neftyanoi Promishlennosti, Moscow, 1963. 395 p.
To be published by CB after Mar 65.

Rebrov, M. F.
DIARY OF PILOT-ASTRONAUT K.
Mono. Dnevnik Letchika-Kosmonavta K, Moscow, 1963, p. 5-78.

Salli, I. V.
STRUCTURE FORMATION IN ALLOYS.
Mono. Fizicheskie Osnov'i Formirovaniya Struktur'i Splavov, Moscow, 1963, 218 p.
To be published by CB after 4th quarter 64.

Vavilov, V. S.
EFFECTS OF RADIATION ON SEMICONDUCTORS.
Mono. Deistvie Izlucheniya na Poluprovodniki, Moscow 1963, 264 p.
To be published by CB after Mar 65.

Zdrodovskii, P. F., ed.
[PROBLEMS OF INFECTIOUS PATHOLOGY AND IMMUNOLOGY: SELECTED PARTS].
Mono. Voprosy Infektsionnoi Patologii i Immunologii, Moscow, 1963, p. 165-167, 187-195, 199-220.

PERIODICALS TRANSLATED COVER-TO-COVER

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Lijecnicki Vjesnik (Yugoslavia)..... C-271
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Meditsinskaya Radiolgoiya (USSR)..... C-272
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1. *Mayer Fr.:* Arzneim.-Forschung., 1960, 10, 520.
2. *Evelyn K. A., Malloy H. T.:* J. Biol. Chem., 1938, 126, 655.
3. *Laruelle C.:* Pharm. Biol. Suppl., 1962, 24.
4. *Parker V. H.:* Analyst., 1949, 74, 646.
5. *King E., Harvey D. G.:* Bioch. J., 1953, 53, 185.
6. *Henneberg M.:* Referat, VI Zjazd PTF (VI-th Congress of the Polish Pharmaceutical Society), 1962.

ARCHIVES OF IMMUNOLOGY AND EXPERIMENTAL THERAPY

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(KLINICHESKAYA MEDITSINA)

1964, VOL. 42, NO. 1

TREATMENT OF HYPERTENSIVE DISEASE, ACUTE PANCREATITIS, PEPTIC ULCER, AND PELGER'S LEUCOCYTIC ANOMALY

[Following is a translation of four articles from the Russian-language journal Klinicheskaya Meditsina (Clinical Medicine), Moscow, January 1964. Complete bibliographic information accompanies each article.]

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ELECTROMAGNETIC SOUNDING AND MAGNETO-TELLURIC METHODS OF PROSPECTING

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Following is a translation of 7 articles from the Russian-language book Elektromagnitnoye zondirovaniye i magnito-tellurgicheskiye metody razredki (Materialy Vsesoyuznoy konferentsii, Aprel' 1961 g.) (Electromagnetic Sounding and Magneto-telluric Methods of Prospecting. Materials of the All Union Conference, April 1961), Leningrad University Publishing House, 1963.

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(OSNOVNYE VYVODY NAUCHNO-ISSLEDOVATEL'SKIKH RABOT ZA 1959-60

RESULTS OF SUGAR BEET RESEARCH IN THE SOVIET UNION, 1959-1960

Following is a translation of selected articles from the Russian-language symposium Osnovnyee vyvody nauchno-issledovatel'skikh rabot za 1959-1960, All-Union Scientific Research Institute of Sugar Beets, All-Union Order of Lenin Academy of Agricultural Sciences imeni V. I. Lenin, published by Publishing House of Ukrainian Academy of Agricultural Sciences, Kiev, 1962.

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JOURNAL OF ENGINEERING PHYSICS

(INZHENERNO-FIZICHESKII ZHURNAL)

1963, VOL. 6, NO. 8

-USSR-

/Following is the translation of the Russian language periodical Inzhenerno-Fizicheskiy Zhurnal (English version above), Vol. VI, No. 8, Minsk, August 1963, pp. 3-140./

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MEDICAL RADIOLOGY

(MEDITSINSKAYA RADIOLOGIYA)

1963, VOL. 8, NO. 12

FOUR EXPERIMENTAL STUDIES ON RADIATION SICKNESS THERAPY

-USSR-

[Following is the translation of articles in the Russian-language publication Meditsinskaya Radiologiya (Medical Radiology), Moscow, Vol 8, No 12, 1963. Additional bibliographic information accompanies each article.]

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(MEDITSINSKAYA RADIOLOGIYA)

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1964, VOL. 9, NO. 1

STUDIES ON RADIATION SICKNESS

-USSR-

[Following is the translation of articles in the Russian-language publication Meditsinskaya Rediologiya (Medical Radiology), Moscow, Vol 9, No 1, Jan 1964. Additional bibliographic information accompanies each article.]

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NEWS OF HIGHER EDUCATIONAL INSTITUTIONS

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USSR

RADIOPHYSICS SERIES
(IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII. RADIOFIZIKA)
Vol VI, No 5, 1963

[Following is a translation of the Russian-language journal Izvestiya Vysshikh Uchebnykh Zavedeniy MViSSO SSSR po razdelu Radiofizika, Vol VI, No 5, 1963, (English version above), Sep-Oct issue, Gor'kiy, pp 877-1077.]

(Note: Illustrations are given at the end of each article. Original source page numbers are given in the left-hand margin of translation.)

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OCCUPATIONAL HYGIENE IN WORK WITH POLONIUM

[Following are translations of selected extracts from the Russian-language booklet entitled Gigiyena Truda Pri Rabote s Poloniyem (English version above) by G. M. Parkhomenko, Moscow, 1963, 52 pp. Complete bibliographical information is furnished with the individual extracts.]

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PHARMACOLOGY AND TOXICOLOGY

(FARMAKOLOGIYA I TOKSIKOLOGIYA)

1963, VOL. 26, NO. 6

PHARMACOLOGICAL ADVANCES

- USSR -

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SOVIET STUDIES IN PHYSIOLOGY

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STUDIES IN HEMATOLOGY AND BLOOD TRANSFUSION

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1957, v. 244, no. 18, p. 2326-2329	825
1957, v. 245, p. 531-534	863
Accademia dei Fisiocritica, Siena. Sezione Medico-Fisica. Atti (Italy) 1957, ser. 13, v. 4, p. 221-230	830
Accademia Medica Lombarda. Atti (Italy) 1961, v. 16, p. 257-260	838
Acta Biochimica Polonica, 1963, v. 10, no. 4	822-826, 844
Acta Endocrinologica (Denmark) 1953, v. 12, no. 1, p. 41-46	841
1955, v. 20, p. 371-378	842
Acta Metallurgica (U.S.) 1953, v. 1, Jan, p. 79-92	909
Acta Poloniae Pharmaceutica, 1963, vol. 20, no. 3, p. 195-259	C-253
Acta Radiologica (Sweden) 1944, v. 25, p. 13-32	834
Adhäsion (West Germany) 1961, v. 5, no. 5, p. 225-230	894
Akademie der Wissenschaften, Berlin, Klasse für Medizin. Abhandlungen (Germany) 1960, no. 3, p. 187-197	833
Akademiya Nauk Armyanskoi SSR Erevan. Izvestiya. Geologicheskie i Geografi-cheskie Nauki 1962, v. 15, no. 1, p. 3-15	871, 872
Akademiya Nauk Armyanskoi SSR, Erevan. Izvestiya, Khimicheskikh Nauk, 1958, v. 11, no. 3, p. 141-152	862
Akademiya Nauk Kazakhskoi SSR, Alma-Ata. Institut Khimicheskikh Nauk. Trudy, 1961, v. 7, p. 33-37	850
Akademiya Nauk Kazakhskoi SSR, Alma-Ata. Izvestiya. Seriya Geologicheskaya 1957, no. 2(27) p. 67-93	871
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1956, v. 111, no. 5, p. 1048-1049	859
1957, v. 113, no. 5, p. 1023-1024	915
1957, v. 115, no. 2, p. 336-338	862
1958, v. 121, no. 2, p. 330-333	851
1961, v. 140, no. 1, p. 179-180	883
1961, v. 141, no. 5, p. 1204-1207	874
1962, v. 142, no. 5, p. 1201-1202	825
1962, v. 144, no. 5, p. 1103-1104	864
1963, v. 148, no. 3, p. 641-643	856
1963, v. 148, no. 5, p. 1141-1144	914
1963, v. 149, no. 5, p. 1067-1070	855
1963, v. 150, no. 2, p. 317-320	854
1963, v. 150, no. 3, p. 499-502	818
1963, v. 150, no. 4, p. 920-923	823
1963, v. 150, no. 4, p. 924-927	825
1963, v. 150, no. 6, p. 1378-1381	824
Akademiya Nauk SSSR. Doklady, (con.) 1963, v. 151, no. 1, p. 203-205	842, 845
1963, v. 151, no. 1, p. 209-212	842, 843
1963, v. 151, no. 1, p. 213-216	843
1963, v. 151, no. 1, p. 217-219	841
1963, v. 151, no. 3, p. 732-736	826
1963, v. 151, no. 4, p. 822-825	914
1963, v. 151, no. 6, p. 1437-1440	819, 823
1963, v. 151, no. 6, p. 1456-1457	819, 844
1963, v. 151, no. 6, p. 1475-1478	819, 825
1963, v. 152, no. 3, p. 737-743	827
1963, v. 152, no. 5, p. 1231-1234	824
1963, v. 153, no. 1, p. 212-215	824
1963, v. 153, no. 3, p. 718-720	823
1963, v. 153, no. 3, p. 721-724	824
1963, v. 153, no. 4, p. 950-953	833
1963, v. 153, no. 5, p. 1132-1135	822
1963, v. 153, no. 6, p. 1338-1341, 1450-1453	821
Akademiya Nauk SSSR. Fizicheskii Institut. Rept-A-7, 1962	912
Rept-A-29, 1963, p. 1-16	910
Akademiya Nauk SSSR. Geofizicheskii Institut. Trudy, 1949, no. 5(132) p. 94-99	869
Akademiya Nauk SSSR. Ikhtiologi-cheskaya Komissiya. Trudy Soveshchanii, 1960, no. 10, p. 66-72	847
1960, no. 10, p. 219-229	847
1960, no. 10, p. 239-242	848
Akademiya Nauk SSSR. Institut Fizicheskoi Khimii. Trudy, 1951, v. 2, no. 3, p. 79-82	909
Akademiya Nauk SSSR. Institut Geologi-cheskikh Nauk. Trudy, 1951, no. 129, Geologicheskaya Seriya no. 50, p. 34-40, 44-54, 81-105	872
Akademiya Nauk SSSR. Institut Goryuchikh Iskopaemykh. Trudy, 1959, v. 11, p. 30-38	892
Akademiya Nauk SSSR. Institut Metallurgii. Trudy, 1963, no. 12, p. 214-240	907
Akademiya Nauk SSSR. Institut Morfologii Zhivotnykh. Trudy, 1950, v. 2, p. 85-139	847
Akademiya Nauk SSSR. Institut Nefti. Trudy, 1960, v. 14, p. 90-97	859
Akademiya Nauk SSSR. Institut Okeanologii Trudy, 1960, v. 41, p. 146-152	848
Akademiya Nauk SSSR. Institut Teoreticheskoi Astronomii. Byulleten', 1957, v. 6, no. 8(81) p. 505-523	817
1957, v. 6, no. 8(81) p. 566-576	817
Akademiya Nauk SSSR. Izvestiya, Seriya Fizicheskaya, 1944, v. 8, no. 4, p. 194-199	883
1947, v. 11, no. 6, p. 655-659	913
1947, v. 11, no. 6, p. 667-675	913
1962, v. 16, no. 6, p. 680-682	913
1955, v. 19, no. 6, p. 651-656	911
1956, v. 20, no. 12, p. 1571-1580	890
1957, v. 21, no. 3, p. 450-454	891
1963, v. 27, no. 5, p. 634-637	914
Akademiya Nauk SSSR. Izvestiya. Seriya Geologicheskaya, 1955, v. 20, no. 4, p. 89-96	872
Akademiya Nauk SSSR. Izvestiya. Seriya Matematicheskaya, 1942, v. 6, no. 4, p. 309-330	904
Akademiya Nauk SSSR. Krymskaya Astrofizicheskaya Observatoriya. Izvestiya, 1961, v. 25, p. 76-87	816
Akademiya Nauk SSSR. Morskoy Gidrofizicheskii Institut. Trudy, 1962, v. 25, p. 195-207	874
Akademiya Nauk SSSR. Okeanografi-cheskaya Komissiya. Trudy, 1961, v. 8, p. 129-135	871, 873
Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1949, no. 4, p. 379-385	857
1953, no. 3, p. 470-478	856
1958, no. 3, p. 359-361	852
1959, no. 6, p. 971-974	909
1963, no. 3, p. 481-487	867
1963, no. 3, p. 528-531	857
Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1941, no. 4, p. 67-76	907
1945, no. 1-2, p. 237-241	850
1946, no. 2, p. 215-218	863
1951, no. 4, p. 529-536	916
1954, no. 4, p. 80-85	907
Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya: Mekhanika i Mashinostroenie, 1962, no. 4, p. 18-22	904
1963, no. 2, p. 28-32	905
1963, no. 6, p. 25-35	902
Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya: Metallurgiya i Toplivo, 1961, no. 5, p. 43-50	906
1961, no. 5, p. 113-116	908
Akademiya Nauk SSSR. Sektor Fiziko-Khimicheskogo Analiza. Izvestiya, 1949, v. 19, p. 113-119	862
1953, v. 23, p. 233-240	862
Akademiya Nauk SSSR. Vestnik, 1963, v. 33, no. 1, p. 121-122	901
1963, v. 33, no. 2, p. 38-43	916
1964, v. 34, no. 1, p. 22-25	869
Akademiya Nauk URSR Kiev. Dopovidi, 1962, no. 2, p. 196-200	916
1963, no. 9, p. 1190-1193	908
1964, no. 2, p. 155-158, 181-184	902
Akademiya Nauk URSR Kiev. Instyutu Khimii. Zapysky, 1946, v. 8, no. 2, p. 23-31	863
Akademiya Navuk BSSR Minsk. Doklady, 1963, v. 7, no. 5, p. 347-349	826
Akademiya Navuk BSSR, Minsk. Instytut Torfa. Trudy, 1957, v. 6, p. 130-141	892
Akusticheskii Zhurnal (USSR) 1963, v. 9, no. 2, p. 257-260	901
Albrecht von Graefe's Archiv für Ophthalmologie (Germany) 1944, v. 146, p. 110-127	821
Aluminium (Germany) 1943, v. 25, no. 5, p. 194-202	908
Aluminium Suisse, 1963, v. 13, no. 2, p. 49-65	907
Angewandte Chemie (West Germany) 1936, v. 49, no. 30, p. 499-502	859
1940, v. 53, no. 45/46, p. 520-522	839
1941, v. 54, no. 1/2, p. 36	819
1951, v. 63, no. 17/18, p. 385-395	908
1953, v. 65, no. 1, p. 16-33	854
1958, v. 70, no. 17/18, p. 532-539	835
Annalen der Physik (East Germany) 1961, ser. 7, v. 7, p. 302-311	915
Annales de Médecine Légale (France) 1960, v. 40, no. 1, p. 40-43	834
Annales de Radioélectricité (France) 1962, v. 17, no. 69, p. 223-226	881
Annales Pharmaceutiques Françaises, 1951, v. 9, p. 338-343	839
1954, v. 12, p. 799-814	841
Antibiotiki (USSR) 1963, v. 8, no. 4, p. 449-456	840
Applied Optics (U.S.) 1962, v. 1, p. 67-74	915
Archiv der Elektrischen Übertragung (West Germany) 1963, v. 17, p. 163-176	880
Archiv der Pharmazie (West Germany) 1953, v. 286, no. 7, p. 330-337	855

Journal	Page
Archiv für das Eisenhuttenwesen (West Germany) 1963, v. 34, no. 8, p. 565-570	906
Archiv für Hygiene und Bakteriologie (West Germany) 1956, v. 140, p. 253-263	832
Archiv für Ohren-, Nasen- und Kehlkopf-Heilkunde (West Germany) 1961, v. 177, no. 5, p. 427-431	841
Archivio "E. Maragliano" di Patologia e Clinica (Italy) 1960, v. 16, p. 715-730	840
Archivio Italiano di Otologia, Rinologia, e Laringologia 1959, v. 70, no. 1, p. 84-95	835
1960, v. 71, p. 376-408	833
Archivio Italiano di Scienze Pharmacologiche, 1959, ser. 3, v. 9, p. 479-501	841
Archivum Immunologiae et Therapiae Experimentalis (Poland) 1963, v. 11, no. 4	830
Arhiv za Poljoprivredne Nauke i Tekniku (Yugoslavia) 1962, v. 15, no. 50, p. 7-17	813, 815
1962, v. 15, no. 50, p. 20-30	813, 816
1962, v. 15, no. 50, p. 34-50	813, 816
1962, v. 15, no. 50, p. 53-71	813, 815
1962, v. 15, no. 50, p. 74-82	813, 872
1962, v. 15, no. 50, p. 84-103	813, 814
1962, v. 15, no. 50, p. 105-125	813, 814
1962, v. 15, no. 50, p. 128-136	813, 814
1962, v. 15, no. 50, p. 138-157	813, 829
1962, v. 15, no. 50, p. 160-185	813, 815
1962, v. 15, no. 50, p. 189-208	813, 815
1962, v. 15, no. 50, p. 211-217	813, 814
1962, v. 15, no. 50, p. 220-230	813, 814
1962, v. 15, no. 50, p. 233-244	813, 814
1962, v. 15, no. 50, p. 247-267	813, 816
1963, v. 16, no. 52, p. 3-138	813
Arkhiv Patologii (USSR) 1960, v. 22, no. 10, p. 53-59	829
Ärztliche Forschung (West Germany) 1954, v. 8, no. 2, p. 85-88	842
1958, v. 12, no. 2, p. 53-60	831
Arztliche Wochenschrift (Germany) 1956, v. 11, no. 25/26, p. 550-551	836
Asociacion Medica Argentina, Buenos Aires. Revista 1957, v. 71, no. 7, p. 208-212	834
Association of German Portland Cement Manufacturers, Munich, 5 Sep 34. Proceedings, p. 23-27	888
Astronomicheskii Zhurnal (USSR) 1963, v. 40, no. 3, p. 466-476	818
Atomnaya Energiya (USSR) 1963, v. 14, no. 4, p. 405-407	911
Atomnoe Yadro, Moscow 1958, 425p	910
ATZ; Automobiltechnische Zeitschrift (West Germany) 1954, v. 56, no. 7, p. 169-173	892
Avtomaticheskaya Svarka (USSR) 1957, v. 10, no. 3, p. 97-104	907
1957, v. 10, no. 4, p. 1-14	907
1958, v. 11, no. 8, p. 60-62	907
1959, v. 12, no. 1, p. 49-52	906
1959, v. 12, no. 8, p. 12-17	907
Avtomaticheskoe Regulirovanie Aviadvigatelei (USSR) 1962, v. 4, p. 5-69, 95-135	885
Avtomobil'naya Promyshlennost' (USSR) 1954, no. 11, p. 4-6	919
1959, no. 9, p. 10-15	887
Badische Anilin-und Soda-Fabrik A. G., Ludwigshafen (West Germany) 1954-55	891
Baltiiskii Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanografii. Trudy (USSR) 1960, v. 6, p. 124	848
Beiträge zur Tabakforschung, 1961, no. 4, p. 125-131	826
1962, no. 5, p. 155-164	853
1962, no. 5, p. 165-169	853
Beloruskii Politekhnicheskii Institut. Sbornik Nauchnykh Rabot (USSR) 1960, v. 82, p. 86-93	890, 891
1960, v. 82, p. 94-99	890, 891
1960, v. 82, p. 100-111	890, 891
1960, v. 82, p. 112-115	890
1960, v. 82, p. 116-119	890
1960, v. 82, p. 120-125	890, 914
1960, v. 82, p. 126-136	890, 891
1960, v. 82, p. 137-143	890, 891
1960, v. 82, p. 144-148	890
1960, v. 82, p. 149-154	890
1960, v. 82, p. 155-163	890
Beton i Zhelezobeton (USSR) 1957, no. 1, p. 28-29	909
Biochemische Zeitschrift (West Germany) 1952, v. 322, no. 6, p. 467-470	853
1952, v. 323, no. 4, p. 245-250	823
1952, v. 323, no. 4, p. 265	824
Biofizika (USSR) 1963, v. 8, no. 2, p. 147-153	825
1963, v. 8, no. 4, p. 446-456	823
1963, v. 8, p. 561-568	822
1963, v. 8, p. 664-676	823
Biokhimiya (USSR) 1948, v. 13, no. 1, p. 55-60	824
Botyu-Kagaku (Japan) 1953, v. 18, p. 122ff	856
Brennstoff-Chemie (West Germany) 1923, v. 4, no. 23, p. 353-357	888
1949, v. 30, no. 17/18, p. 285-299	892
Bunseki Kagaku (Japan) 1963, v. 12, no. 10, p. 961-963	853
Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1939, v. 8, no. 2, p. 119-122	826
1963, v. 56, no. 8, p. 116-120	827
1963, v. 56, no. 9, p. 112-113	822
Cement (Netherlands) 1958, v. 10, no. 13/14, p. 559-560	889
Chekhoslovatskii Fizicheskii Zhurnal, 1957, v. 7, no. 2, p. 127-151	913
1957, v. 7, no. 6, p. 729-743	913
Chemia (Poland) 1956, v. 4, no. 12, p. 41-65	868
Chemia Analityczna (Poland) 1961, v. 6, no. 4, p. 551-558	851
Chemicke Listy (Czechoslovakia) 1954, v. 48, p. 533ff	853
1954, v. 48, p. 1304-1307	863
1958, v. 52, p. 1108-1112	851
Chemicke Zvesti (Czechoslovakia) 1964, v. 18, no. 2, p. 81-107, 109-147	849
Chemicky Prumysl (Czechoslovakia) 1956, v. 6(31) no. 12, n.p.	868
1961, v. 11(36) no. 8, p. 408-410	879
Chemie-Ingenieur-Technik (West Germany) 1954, v. 26, no. 2, p. 97-100	884
1955, v. 27, no. 2, p. 71-75	862
Chemiker Zeitung (Germany) 1926, v. 50, p. 165-167, 202-204, 239-241, 246-248	888
Chimia (Switzerland) 1963, v. 17, p. 145-157	879
Chimica nell'Industria, nell'Agricoltura, nella Biologia, nelle Realizzazioni Autarchiche e Corporative (Italy) 1959, v. 35, no. 10, p. 589-594	852
Chimie et Industrie (France) 1962, v. 88, no. 3, p. 233-238	857
le Ciment (France) 1926, 52 (sic)	887
Commutation et Electronique (France) 1962, no. 3, p. 20-35	882
Conference on Practical Applications of Short-Life Radioisotopes Produced in Small Research Reactors, Vienna, 5-9 Nov 62. Proceedings, preprint no. SM-32/5	911
Corriere-Sanitatio (Italy) 1903, v. 14, p. 78-80	842
Czasopismo Stomatologiczne (Poland) 1963, v. 16, no. 8	833
Defolianty i Desikanty, Moscow, 1963	814
Deistvie Izlucheniya na Poluprovodniki, Moscow, 1963, 264pp	B-23
Denki Gakkai Zasshi (Japan) 1960, v. 80, no. 858, p. 368-371	881
Denki Kagaku (Japan) 1947, v. 15, p. 39-42	866
1947, v. 15, p. 72-74	866
1954, v. 22, no. 11, p. 593-597	868
1954, v. 22, no. 11, p. 597-604	865
1959, v. 27, p. 391-394	866
Denki Tsushin Gakkai Zasshi (Japan) 1960, v. 43, no. 6, p. 711-718	881
Deutsche Gesellschaft für Innere Medizin. Verhandlungen (Germany) 1956, v. 62, p. 121-125	833
Deutsches Archiv für Klinische Medizin (West Germany) 1952, v. 199, p. 431-442	839
Dnevnik Letchika-Kosmonavta K, Moscow, 1963, p. 5-78	B-23
Doklady Sovetskikh Geologov Problema 17 (Mezhdunarodnyi Geologicheskii Kongress (no. 21) Copenhagen, 15-25 Aug 60 1960, p. 82-89	871
Draht (West Germany) 1963, v. 14, no. 9, p. 572-577	884
Duodecim (Finland) 1959, v. 75, no. 1, p. 1-9	833
Ekonomicheskaya Gazeta (USSR) 1963, no. 42(115) p. 12-13	918
1963, no. 46(119) p. 4	818
1963, no. 46(119) p. 6	879
1964, no. 4(129) p. 6	908
Eksperimentalnaya Khirurgiya i Anesteziologiya (USSR) 1963, v. 8, no. 4, p. 54-55	846
Elektricheskie Stantsii (USSR) 1953, v. 24, no. 6, p. 42-43	881
1953, v. 24, no. 8, p. 51-52	907
1953, v. 24, no. 12, p. 44-46	880
1959, v. 30, no. 4, p. 37-39	876
1959, v. 30, no. 9, p. 54-59	880
1961, v. 32, no. 5, p. 51-54	882
Elektrichestvo (USSR) n. p., n. d. 1954, no. 6, p. 70-74	882
1954, no. 11, p. 44-49	881
1958, no. 5, p. 47-50	882
1958, no. 11, p. 38-42	881
Elektromagnitnoe Zondirovanie i Magnito-Tellurgicheskie Metody Razrezdki (Materialy Vsesoyuznoi Konferentsii, Apr 61) Leningrad, 1963	882
Elektronika v Meditsine, Moscow/Leningrad, 1960, p. 177-182	869
Elektrosvyaz' (USSR) 1957, v. 11, no. 4, p. 12-21	821
Endokrynologia Polska, 1962, v. 13, nos. 1-6	881
Energeticheskii Byulleten' (USSR) 1952, no. 12, p. 7-12	819
1953, no. 4, p. 18-27	882
Energetik (USSR) 1954, v. 2, no. 8, p. 29-31	882
1956, v. 4, no. 10, p. 22-23	883
1956, v. 4, no. 10, p. 27-28	881
1956, v. 4, no. 10, p. 28-29	882
1959, v. 7, no. 12, p. 27-30	907
Erdöl und Kohle-Erdgas-Petrochemie (West Germany) 1955, v. 8, no. 6, p. 414-419	893
1963, v. 16, no. 8, p. 841-843	863
Ergebnisse der Hochvakuumtechnik und der Physik Dünner Schichten, Stuttgart, 1957, p. 237-240	891
il Farmaco; Edizione Pratica (Italy) 1961, v. 14, no. 4, p. 181-189	841
1961, v. 16, no. 8, p. 349-370	852
Farmakologiya i Toksikologiya (USSR) 1939, v. 2, no. 5, p. 38-50	840
1963, v. 26, no. 6, p. 684-687, 702-707, 732-742, 753-756	838

Journal	Page
Faserforschung und Textiltechnik (East Germany) 1960, v. 11, no. 11, p. 513-523	893
1961, v. 12, no. 5, p. 395-401	893
1962, v. 13, p. 481-490	894
Festskrift Tillägnad J. Arvid Hedvall, Gothenburg, 1948, p. 308-318	864
Finska Kemistsamfundet Meddelanden, 1950, v. 59, p. 40-43	850
Fizicheskie Kharakteristiki Komet, Moscow, 1958, 575p.	818
Fizicheskie Osnov'i Formirovaniya Struktur i Splavov, Moscow, 1963, 218 pp.	B-23
Fizika Tverdogo Tela (USSR) 1963, v. 5, no. 6, p. 1611-1619	913
Fiziko-Khimicheskie Problemy Formirovaniya Gornykh Porod i Rud, Moscow, 1961, p. 313-325	874
Fiziologicheskii Zhurnal SSSR, 1963, v. 49, no. 9, p. 1036-1043	819, 821
1963, v. 49, no. 9, p. 1044-1049	819, 820
Fiziologichnyi Zhurnal (USSR) 1962, v. 8, no. 4, p. 532-542	834
1964, v. 10, no. 1, p. 3-15, 38-53	819
Fiziologiya Rastenii Agrokhimiya Pochvovedenie (Trudy, Vsesoyuznoi Nauchno-Tekhnicheskoi Konferentsii po Primeneniyu Radioaktivnykh i Stabil'nykh Izotopov i Izluchenii v Narodnom Khozyaistve i Nauke, Moscow, 4-12 Apr 57) 1958, p. 143-147	910
1958, p. 168-176	910
Forschungen und Fortschritte (East Germany) 1950, v. 26, sonderheft no. 2, p. 21-22	866
Gazovaya Promyshlennost' (USSR) 1963, v. 8, no. 9, p. 28-29	892
Genèse et Synthèse des Argiles Paris, 1962, p. 207-210	874
Geodeziya i Kartografiya (USSR) 1961, no. 6, p. 70-77	870
1962, no. 1, p. 43-47	918
Geofizicheskaya Razvedka (USSR) 1962, no. 10, p. 34-44	873
Geografiya i Khozyaistvo (USSR) 1963, no. 12, p. 67-77	870, 873
1963, no. 12, p. 78-87	870
Geografiya Putei Soobshcheniya SSSR, 2d. ed., Moscow, 1962, p. 97-181	871
Geokhimii Stepei i Pustyn', Polski Poleznykh Iskopaemykh, Moscow, 1962, p. 6-52	871
Geologiya i Geofizika (USSR) 1961, no. 2, p. 106-110	875
1961, no. 2, p. 111-116	875
1961, no. 7, p. 3-15	875
1961, no. 7, p. 96-98	870
1963, no. 12	869
Geophysical Prospecting (Netherlands) 1963, v. 11, no. 2, p. 131-163	872
Gidravlika i Osnovy Gazodinamiki, Kiev, 1959, 279p.	903
Gidrogeologiya Tsentral'noi Chasti Yuzhnoi Yakutii, Moscow/Leningrad, 1959, 178p.	873
Gidrotekhnika i Melioratsiya (USSR) 1956, v. 8, no. 9, p. 13-19	910
Gigiena i Sanitariya (USSR) 1963, v. 28, no. 9, p. 5-11	911
1963, v. 28, no. 9, p. 97-98	884, 911
1963, v. 28, no. 9, p. 101-103	911
1963, v. 28, no. 9, p. 124-125	838, 911
Gigiena Truda i Professional'nye Zabolevaniya (USSR) 1963, v. 7, no. 4, p. 38-43	821
Gigiena Truda pri Rabote s Poloniem, Moscow, 1963, p. 16-22, 34-39, 45-52	844
Giornale di Malattie Infettive e Parassitarie (Italy) 1961, v. 13, p. 614-619	839
Glas-Email Keramo-Technik (West Germany) 1963, v. 14, no. 5, p. 174-180	890
Glowny Instytut Gornictwa, Kommunikat (Poland) 1958, no. 220, p. 3-28	874
1960, no. 242, p. 3-12	874
Gosudarstvennyi Institut Prikladnoi Khimii. Trudy (USSR) 1934, v. 25, p. 20-39	854
Gosudarstvennyi Okeanograficheskii Institut. Trudy (USSR) 1932, v. 1, no. 4, p. 3-66	848
Gosudarstvennyi Vsesoyuznyi Nauchno-Issledovatel'skii Institut Tsementnoi Promyshlennosti. Nauchnye Soobshcheniya (USSR) 1961, no. 12(143) p. 1-7	887
Grazhdanskaya Aviatsiya (USSR) 1963, v. 20, no. 7, p. 18-19	878
Gruppovye Konstanty dlya Rascheta Yadernykh Reaktorov, Moscow, 1964, 139p.	B-23
Helvetica Chimica Acta (Switzerland) 1961, v. 44, no. 6, p. 1622-1645	826
Hodowla Roslin, Aklimatyzacja i Nasiennictwo (Poland) 1958, v. 2, no. 4, p. 549-559	815
Hokkaido Igaku Zasshi (Japan) 1942, v. 20, p. 442-448	834
1942, v. 20, p. 1620	837
Hoppe-Seyler's Zeitschrift für Physiologische Chemie (West Germany) 1961, v. 324, p. 250-253	823
Igiena (Rumania) 1964, v. 13, no. 1, p. 1-10	831
Industria Alimentara Produse Vegetale (Rumania) 1960, v. 11, no. 9, p. 282-284	826
Institut für Tabakforschung. Berichte (East Germany) 1960, v. 7, no. 1, p. 81-102	853
1960, v. 7, no. 2, p. 216 240	858
Instituto de Medicina Experimental para el Estudio y Tratamiento del Cancer. Boletin Argentina, 1938, v. 15, no. 47, p. 5-22	836
Instytut Przemyslu Wlokien Lykowych. Prace (Poland) 1958, v. 6, p. 91-105	893
International Geological Congress (no. 21) Copenhagen, 1960. Rept. 1961, pt. 24, p. 35-50	874
1961, pt. 24, p. 80-87	874
Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5, p. 3-6	917
1963, v. 6, no. 8, p. 3-140	912
1963, v. 6, no. 8, p. 37-40	916
Inzhenernyi Zhurnal (USSR) 1963, v. 3, no. 2, p. 215-221	904
1963, v. 3, no. 3, p. 417-615	876, 879, 883, 902-905, 916-917
Iskusstvennye Sputniki v Razrezhennoi Plazme, Moscow, 1964, 382p.	B-23
Issledovaniya po Zharoprochnym Splavam (USSR) 1962, v. 9, p. 194-203	909
Izvestiya (USSR) 1963, no. 215, 10 Sep, p. 2	814
1963, no. 307(14470)31 Dec, p. 3	918
1964, 4 Feb, p. 5	877
1964, 19 Feb, p. 3	813
Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1961, no. 3, p. 3-13	878, 904
1961, no. 3, p. 14-20	878, 904
1961, no. 3, p. 21-30	878, 905
1961, no. 3, p. 38-55	878, 902
1961, no. 3, p. 56-68	878, 902
1961, no. 3, p. 89-99	878, 903
1961, no. 3, p. 113-126	878, 904
1961, no. 3, p. 127-133	878
1961, no. 3, p. 134-143	878
1961, no. 3, p. 144-152	878, 904
1961, no. 3, p. 153-154	878
1961, no. 3, p. 155-162	878, 905
1961, no. 3, p. 163-180	878, 905
Izvestiya Vysshikh Uchebnykh Zavedenii. Geodeziya i Aerofotos"emka (USSR) 1960, no. 2, p. 89-93	870
Izvestiya Vysshikh Uchebnykh Zavedenii. Matematika (USSR) 1963, no. 334, p. 173-184	901
Izvestiya Vysshikh Uchebnykh Zavedenii. Pishchevaya Tekhnologiya (USSR) 1962, no. 2, p. 76-81	884
Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 437-448	880
1963, v. 6, no. 5, p. 877-1077	913
Izvestiya Vysshikh Uchebnykh Zavadenii. Tekhnologiya Legkoi Promyshlennosti (USSR) 1959, no. 2(9) p. 69-75	823
Journal de Chimie Physique (France) 1958, v. 55, no. 5, p. 377-382	914
Journal für Praktische Chemie (Germany) 1915, v. 92, p. 102-103	855
Justus Liebigs Annalen der Chemie (West Germany) 1929, v. 473, p. 1-35	862
1929, v. 473, p. 57-82	860
1939, v. 542, p. 90-122	862
1950, v. 567, p. 179-184	860
1953, v. 581, p. 10-16	853
K Stratigrafii i Tektonike Drevnikh Tolshch Kirgizskogo Khrebta, Leningrad, 1961, p. 55-61	871
Kagaku (Japan) 1949, v. 19, p. 379-380	849
Kagaku Kogaku (Japan) 1961, v. 25, no. 1, p. 34-40	910
Khimicheskaya Promyshlennost' (USSR) 1930, v. 7, p. 332-335	854
1935, v. 12, no. 7, p. 687-690	864
1937, v. 14, no. 17/18, p. 1225-1229	864
1939, v. 16, no. 2, p. 31-37	868
1939, v. 16, no. 2, p. 37-40	862
1960, no. 5, p. 411-413	917
1962, no. 1, p. 66-69	865
1962, no. 9, p. 695-697	879
Khimicheskie Volokna (USSR) 1962, no. 2, p. 20-23	865
Khimiya i Tekhnologiya Topliv i Masel (USSR) 1963, v. 8, no. 6, p. 12-16	879
1963, v. 8, no. 9, p. 23-27	889
Kinetika i Kataliz (USSR) 1963, v. 4, no. 4, p. 625-634	864
Klinicheskaya Meditsina (USSR) 1952, v. 30, no. 7, p. 91	837
1964, v. 42, no. 1, p. 41-46, 72-73, 103-106, 138-139	830
Klinika Oczna (Poland) 1963, v. 33, no. 1	847
Kobunshi Kagaku (Japan) 1962, v. 19, no. 207, p. 402-406	896
Kogyo Kagaku Zasshi (Japan) 1952, v. 55, p. 589-591	855
1962, v. 65, no. 5, p. 695-698	856
1963, v. 66, no. 7, p. 948-952	858
Koks, Smola, Gaz (Poland) 1957, v. 2, no. 1, p. 8-11	856
1957, v. 2, no. 1, p. 12-16	866, 891
1957, v. 2, no. 6, p. 294-299	879, 891
1958, v. 3, no. 1, p. 11-19	857
1958, v. 3, no. 2, p. 47-50	857
1958, v. 3, no. 4, p. 143-151	857
1958, v. 3, no. 5, p. 184-189	857
1959, v. 4, no. 5/6, p. 216-220	854, 856
1960, v. 5, no. 2, p. 49-58	874
1960, v. 5, no. 2, p. 58-61	874
Kolloid Zeitschrift (Germany) 1935, v. 70, no. 1, p. 100-135	863
Kolloid-Zeitschrift und Zeitschrift für Polymere (West Germany) 1962, v. 182, no. 1/2, p. 99-104	858
Kommunist, Erevan (USSR) 1964, 6 Feb, p. 2	908
Kommunist, Moscow (USSR) 1964, v. 40, no. 2, p. 87-95	881
Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka Materialy, Moscow, 1962	819, 821
1962, p. 12	819, 827
1962, p. 15-21	819, 820
1962, p. 22-23	819, 820
1962, p. 32	819, 828
1962, p. 33-34	819, 828

Journal	Page
Konferentsiya po Metodam Fiziologicheskikh Issledovanii Cheloveka. Materialy, Moscow, (con.)	
1962, p. 34-35	819, 822
1962, p. 35-36	819, 822
1962, p. 40-42	819, 822
1962, p. 65-68	819, 820
1962, p. 83-85	819, 821
1962, p. 88-89	819, 827
1962, p. 98-103	819, 827
1962, p. 104-108	819, 827
1962, p. 104-108	819, 827
1962, p. 104-108	819, 827
1962, p. 163-165	819, 828
1962, p. 165	819, 828
1962, p. 186-192	819, 820
1962, p. 186-192	819, 820
1962, p. 192-193	819, 911
1962, p. 194	819, 820
1962, p. 199-202	819, 821
1962, p. 207	819, 822
Konstruktivnye Metody Optimal'nogo Kodirovaniya dlya Kanalov s Shuman, Moscow, 1963, 224p.	901
Krasnaya Zvezda (USSR) 1962, no. 212(11817) 8 Sep, p. 6	819
Kratkosrochnye Prognozy Stoka na Ravninnykh Rekakh, Leningrad, 1956, 266p.	869
Kunststoff-Rundschau (West Germany) 1963, v. 10, p. 9-11	896
Kunststoffe (West Germany) 1947, v. 37, no. 2/3, p. 43-45	896
1959, v. 49, no. 10, p. 513-516	896
Lakokrasochnye Materialy i Ikh Primenenie (USSR) 1963, no. 1, p. 26-30	894
1963, no. 1, p. 30-33	894
1963, no. 1, p. 36-38	894
1963, no. 4, p. 5-10	894
1963, no. 4, p. 10-15	894
1963, no. 5, p. 24-26	894
Langenbecks Archiv für Klinische Chirurgie, Vereinigt mit Deutsche Zeitschrift für Chirurgie (Germany) 1926, v. 143, p. 125-146	846
Leitz-Mitteilungen für Wissenschaft und Technik (sic) 1961, v. 2, no. 5, p. 146-147	828
Leningrad U. Vestnik (USSR) 1963, v. 18, no. 19, Seriya Matematiki, Mekhaniki i Astronomii, no. 4, p. 85-91	883
Letchiku o Meteorologii, Moscow, 1962, 313p	869
La Liga Contra el Cancer. Boletin (Cuba) 1957, v. 32, no. 1, p. 1-4	834
1957, v. 32, no. 3, p. 78	834
Lijecnicki Vjesnik (Yugoslavia) 1963, v. 85, no. 2, p. 117-191	830
1963, v. 85, no. 3, p. 245-320	830
Lyon Medical (France) 1958, v. 200, no. 39, p. 385-406	836
Magyar Kemikusok Lapja (Hungary) 1962, v. 17, no. 3, p. 140-143	892
Mashinostroitel' (USSR) 1963, no. 8, p. 9-11	885
1963, no. 8, p. 11	885
1963, no. 8, p. 34	885
Matematicheskii Sbornik (USSR) 1959, v. 47(89) no. 3, p. 271-(305)	915
Materialprüfung (West Germany) 1963, v. 5, no. 3, p. 107-113	897
Medicina y Seguridad del Trabajo (Spain) 1960, v. 8, no. 32, p. 36-42	842
Meditsinskaya Radiologiya (USSR) 1959, v. 4, no. 9, p. 79-81	846
1962, v. 7, no. 10, p. 32-35	844
1962, v. 7, no. 10, p. 51-55	845
1962, v. 7, no. 12, p. 56-58	843
1963, v. 8, no. 1, p. 62-64	846
1963, v. 8, no. 2, p. 5-10	845
1963, v. 8, no. 12, p. 31-37, 43-47, 50-59	842
1964, v. 9, no. 1, p. 20-24, 49-52, 57-60, 82-87	843
die Medizinische Welt (Germany) 1929, v. 3, no. 8, p. 261-263	833
Melovye Otlozheniya Ferganskoi Kotloviny, Leningrad, 1961, p. 95-109	873
das Metall (West Germany) 1963, v. 17, no. 11, p. 1108-1116	908
Metodologicheskie Voprosy Ekonomicheskii Geografii Moscow, 1962, 280p.	870
Mikrobiologichnyi Zhurnal (USSR) 1962, v. 24, no. 6, p. 52-56	829
Mikrobiologiya (USSR) 1944, v. 13, no. 5, p. 251-255	828
1953, v. 22, no. 3, p. 294-303	884
1955, v. 24, no. 6, p. 681-684	829
Mikrochimica Acta (Austria) 1961, p. 370-389	853
Minerva Ginecologica (Italy) 1961, v. 13, no. 1, p. 35-37	835
Minerva Medica (Italy) 1951, v. 42, no. 3, p. 73-75	819
1957, v. 48, p. 1352-1355	833
1958, v. 49, no. 32, p. 1530	839
Morskoi Sbornik (USSR) 1963, v. 46, no. 3, p. 67-74	883
Moscow U. Vestnik (USSR) 1953, v. 8, no. 3, p. 119-123	858
Moscow U. Vestnik. Seriya 3: Fizika, Astronomiya (USSR) 1963, v. 18, no. 3, p. 55-65	916
Moscow U. Vestnik. Seriya Matematiki, Mekhanika, Astronomii, Fiziki, Khimii (USSR) 1959, v. 14, no. 2, p. 61-68	870
MTZ; Motortechnische Zeitschrift (West Germany) 1963, v. 24, no. 10, p. 333-338	886
1963, v. 24, no. 10, p. 339-348	885
Münchener Medizinische Wochenschrift (West Germany) 1960, v. 102, no. 14, p. 700-702	840
Nachal'nye Plastovye Davleniya v Neftyanykh i Gazovykh Mestorozhdeniyakh, Moscow, 1960, 105p.	873
die Nahrung (West Germany) 1960, v. 4, no. 4, p. 310-322	852
Narodnoe Khozyaistvo Kazakhstana (USSR) 1963, v. 21, no. 11, p. 67-68; no. 12, p. 9-10	908
1963, v. 21, no. 12, p. 13-15	908
die Naturwissenschaften (West Germany) 1952, v. 39, p. 68	826
1958, v. 45, p. 445	852
1960, v. 47, p. 337-351	815
Nauchno-Tekhnicheskaya Informatsiya (USSR) 1963, no. 5, p. 3-7	918, 919
1963, no. 5, p. 25-27	901, 918
1963, no. 5, p. 45	918
1963, no. 6, p. 6-9	918, 919
1963, no. 6, p. 10-12	918, 919
1963, no. 6, p. 13-17	918, 919
1963, no. 6, p. 18-20	918, 919
1963, no. 6, p. 21	918, 919
1963, no. 6, p. 22-23	918, 919
1963, no. 6, p. 40	918
Nauchnye Doklady Vysshei Shkoly. Biologicheskie Nauki (USSR) 1963, no. 2, p. 12-16	850
Nauchnye Doklady Vysshei Shkoly. Fiziko-Matematicheskie Nauki (USSR) 1958, no. 2, p. 162-165	910
Naunyn-Schmiedeberg's Archiv für Experimentelle Pathologie und Pharmakologie (Germany) 1927, v. 120, p. 25-40	840
1929, v. 146, p. 113-128	840
1936, v. 183, p. 571-586	840
1936, v. 183, p. 587-594	839
1938, v. 188, p. 593-597	838
1939, v. 192, p. 383-388	840
1939, v. 192, p. 472-485	839
1939, v. 193, p. 619-621	838
1942, v. 199, p. 74-82	841
1947, v. 205, p. 33-35	827
1962, v. 244, no. 2, p. 185-195	839
Nederlands Tijdschrift voor Geneeskunde, 1958, v. 102, 13 Sep, p. 1808-1812	836
1958, v. 102, 20 Sep, p. 1858-1863	836
1960, v. 104, 22 Oct, p. 2113-2123	836
Neftekhimiya (USSR) 1962, v. 2, no. 3, p. 298-304	868
1962, v. 2, no. 5, p. 793-794	856
1963, v. 3, no. 3, p. 352-359	864
1963, v. 3, no. 4, p. 488-493	862
Neftekhimiya (USSR) (con.) 1963, v. 3, no. 4, p. 565-571	863
Nekotorye Problemy Makromolekulyarnoi Struktury Ribonukleinovykh Kislot, Moscow, 1963, p. 3-14, 68-73	825
Neoplasma (Czechoslovakia) 1961, v. 8, no. 1, p. 27-39	833
Neurologia, Neurochirurgia i Psychiatria Polska, 1963, v. 13, no. 3	837
Nihon Juigaku Zasshi (Japan) 1954, v. 16, p. (53)-64	814
Nihon Kagaku Zasshi (Japan) 1942, v. 63, p. 1738-1742	867
1954, v. 75, p. 182-185	867
1962, v. 83, no. 9, p. 1023-1026	808
1963, v. 84, no. 2, p. 115-119	864
Nihon Naibumpi Gakkai Zasshi (Japan) 1936, v. 11, p. 62-63	814
1953, v. 29, no. 7/8, p. 155-188	836
Nihon Nogei-Kagakkai Shi (Japan) 1937, v. 13, p. 444-453	823
1961, v. 35, no. 9, p. 868-870	824
1963, v. 37, no. 11, p. 686-689	829
Nihon Senbai Kosha Chuo Kenkyusho Kenkyu Hokoku (Japan) 1954, v. 90, p. 1-32	852
1954, v. 90, p. 39-43	852
1954, v. 90, p. 86-100	826
1954, v. 90, p. 142-149	900
1961, v. 103, p. 56-62	826
1962, v. 104, p. 115-121	849
Nihon Yakurigaku Zasshi (Japan) 1957, v. 53, p. 1086-1118	840
Nordisk Medicin (Sweden) 1949, v. 41, p. 506	821
Normalizacja (Poland) 1960, v. 28, no. 7/8, p. 360-365	854, 858
Novaya Tekhnika v Astronomii, Moscow/Leningrad, 1963, p. 3-36, 80-104, 108-117, 136-137, 142-158, 169-175	816, 817
Novoe v Zhizni Nauke, Tekhnike. Seriya 2: Filosofiya (USSR) 1963, no. 24, p. 1-48	901
Novoe v Zhizni, Nauke, Tekhnike. Seriya 9: Fizika i Khimiya (USSR) 1963, no. 22, p. 1-24	917
Nowotwory (Poland) 1962, v. 12, no. 2	832
Nuclear Fusion (Austria) 1961, v. 1, no. 3, p. 189-194	913
Nuclear Materials (Netherlands) 1961, v. 4, no. 2, p. 218-225	909
Oberkommando des Heeres Berlin, 11 Aug 43	883
Ocherki po Obshchim Voprosam Ikhtiologii Moscow, 1953, p. 122-133	848
Oncologia (Switzerland) 1957, v. 10, no. 2, p. 107-119	835
1960, v. 13, no. 2, p. 252-266	834
Ophthalmologica (Switzerland) 1949, v. 118, p. 751-763	832
Opredeliteli po Faune SSSR 1954, v. 53, 567p.	847
Osnovnye Vyvody Nauchno-Issledovatel'skikh Rabot za 1959-60, Kiev, 1962, p. 5-18, 48-58, 88-89, 115-121, 232-236	814
Osnovy Kosmicheskoi Elektrodinamiki, Moscow, 1961, 295p.	818
Paleontologicheskii Zhurnal (USSR) 1962, no. 1, p. 3-6	871, 872
1962, no. 1, p. 7-18	824, 871
1962, no. 1, p. 31-40	871, 872
1962, no. 1, p. 58-65	871
1962, no. 1, p. 105-110	871, 873
1962, no. 1, p. 157-158	871
1962, no. 1, p. 166-168	871
1962, no. 1, p. 173-174	871
das Papier (West Germany) 1961, v. 15, no. 6, p. 229-231	900
1963, v. 17, no. 4, p. 141-147	900
1963, v. 17, no. 9, p. 448-450	851
Parazitologicheskii Sbornik (USSR) 1940, v. 7, p. 7-44	848
Patent 27 141	891
Patent (Austria) 149 470	893

Journal	Page
Patent (Belgium)	
500 535	892
520 694	878
527 736	899
533 362	898
534 792	898
534 888, suppl.	899
535 235	861
538 782	898
540 459	899
542 658	899
543 259	900
543 888	899
543 913	899
544 576	899
544 829	861
545 952	899
546 150	897
546 151	858
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549 553	898
549 638	899
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551 276	897
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553 276	897
553 655	900
555 252	899
556 902	888
557 853	899
558 563	898
559 497	897
560 523	900
569 094	878
601 857	896
Patent (East Germany)	
25 584	854
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97 332	898
97 333	898
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44 490	886
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11 061	900
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1 050 286	860
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1 323 377	889
1 323 379	889
1 323 589	895
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1 343 753	912
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15 909	900
281 175 suppl.	854
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610 409 suppl.	842
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925 348, suppl.	855
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172 313, suppl.	908
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pub. 30-1071	858
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pub. 35-15394	897
pub. 35-18418	849
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pub. 37-9836	897
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pub. 37-17394	896
pub. 37-18156	854
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pub. 37-18466	859
pub. 37-18644	896
pub. 38-774	857
pub. 38-1216	896
pub. 38-2388	893
pub. 38-2735	897
pub. 38-2736	897
pub. 38-2986	850
pub. 38-3116	858
pub. 38-3117	855
pub. 38-4692	896
pub. 38-7992	869
pub. 38-10244	895
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46 204	854
47 473	908
Patent (Switzerland)	
134 819	886
161 679	880
(PL-480)	917
Patent (U.S.)	
834 507/59	854
Patent (USSR)	
118 405	895
122 021	918
125 134	918
144 140	885
157 749	889
Patent application (Germany)	
A 44 278	891
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R 8137	859
St 8110	880
Z 2635	860
Z 2636	861
Z 2647	860
Z 2648	861
Z 2679	860
Z 2679	862
Z 2681	860
Z 2857	855
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Patent application (Germany) (con.)	
Z 3584	855
Z 3614	861
Z 3803	860
Z 4269	861
Z 4357	861
Z 4846	861
Pathologie et Biologie (France)	
1958, v. 6, p. 966-972	835
Patologicheskaya Fiziologiya i Eksperimental'naya Terapiya (USSR)	
1963, v. 7, no. 1, p. 19-23	847
Pharmaceutisch Weekblad (Netherlands)	
1928, v. 65, no. 31, p. 731-758	884
Pharmazeutische Zentralhalle für Deutschland (East Germany)	
1961, v. 100, p. 213-221	853
die Pharmazie (East Germany)	
1962, v. 17, no. 1, p. 36-41	850
Plaste und Kautschuk (East Germany)	
1963, v. 10, no. 1, p. 22-24	897
Plasticheskie Massy (USSR)	
1963, no. 3, p. 39-42	890
1963, no. 7, p. 24-28	898
Po Alayu, Tashkent,	
1962, 135p.	870
Polish Medical Journal,	
1963, v. 2, no. 4, p. 465-469	830, 839
1963, v. 2, no. 4, p. 470-478	830, 842
1963, v. 2, no. 4, p. 479-484	830, 841
1963, v. 2, no. 4, p. 485-487	830, 832
1963, v. 2, no. 4, p. 488-494	830, 832
1963, v. 2, no. 4, p. 495-500	830, 836
1963, v. 2, no. 4, p. 501-505	830, 834
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1963, v. 18, no. 1	847
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Polskie Archiwum Medycyny Wewnetrznej,	
1962, v. 32, no. 1	832
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Prace Instytutow Hutniczych (Poland)	
1959, v. 11, p. 229-234	865, 891
Pravda, Moscow (USSR)	
1963, 17 Oct, p. 4	910
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Prikladnaya Geofizika (USSR)	
1958, no. 19, p. 57-108	871
Prikladnaya Matematika i Mekhanika (USSR)	
1952, v. 16, no. 2, p. 255-256	906
1953, v. 17, no. 6, p. 743-744	905
1956, v. 20, no. 2, p. 293-294	905
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1963, v. 2, p. 5-11	819
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1961, p. 112-125	879
Primenenie Poverkhnostno-Aktivnikh Veshchest'v Neftyanoi Promishlennosti, Moscow, 1963, 395p.	B-23
Printsipy Stratigrafii i Unifitsirovannaya Skhema Deleniya Kainozoiskikh Otlozhenii Severnogo Kavkaza i Smezhnykh Oblastei, Moscow, 1958, 311p.	873
Priroda (USSR) 1963, v. 52, no. 9, p. 50-55	815
Problemy Gematologii i Perelivaniya Krovi (USSR) 1963, v. 8, no. 3, p. 20-26	821
1963, v. 8, no. 3, p. 26-32	846
1963, v. 8, no. 5, p. 37-41	820
1963, v. 8, no. 5, p. 41-47	838
1964, v. 9, no. 1, p. 3-10, 31-40, 52-55	819
Programmirovanie Obuchenie i Kiberneticheskie Obuchayushchie Mashiny, n.p. 1963, 247p.	B-23
Proizvodstvo Stali: Sovremennye Sposoby Moscow, 1963, p. 143-157	906
Promyshlennost' Armenii (USSR) 1963, v. 6, no. 8, p. 43-44	885
1963, v. 6, no. 8, p. 74	884
Prykladna Mekhanika (USSR) 1963, v. 9, no. 6, p. 612-618	903
1963, v. 9, no. 6, p. 649-658	903
Przeglad Dermatologiczny (Poland) 1962, v. 49, no. 5	831
1962, v. 49, no. 5	836
1962, v. 49, no. 5	841
Przeglad Epidemiologiczny (Poland) 1962, v. 16, no. 1	837
1962, v. 16, no. 1-3	838
1962, v. 16, nos. 1-4	830
1962, v. 16, no. 2	830
1962, v. 16, no. 2	831
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1962, v. 16, no. 4	833
1962, v. 16, no. 4	837
Przeglad Gorniczy (Poland) 1958, v. 14, no. 9, p. 21-24	865
Radiobiologia, Radioterapia e Fisica Medica (Italy) 1958, v. 13, no. 2, p. 157-166	836
Radiobiologiya (USSR) 1962, v. 2, no. 5, p. 641-646	842, 845
1962, v. 2, no. 5, p. 647-653	842, 845
1962, v. 2, no. 5, p. 654-661	842, 845
1962, v. 2, no. 5, p. 662-666	842, 843
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1962, v. 2, no. 5, p. 790-798	842, 843
1963, v. 3, no. 2, p. 153-325	842
Radioisotopes (Japan) 1961, v. 10, no. 1, p. 27-36	911
Radiotekhnika i Elektronika (USSR) 1963, v. 8, no. 6, p. 942-949	917
1963, v. 8, no. 7, p. 1130-1138	882
1963, v. 8, no. 10, p. 1783-1786	882
Raschety na Prochnost'. Teoreticheskie i Eksperimental'nye Issledovaniya Prochnosti Mashinostroitel'nykh Konstruktsii. Sbornik Statei (USSR) 1960, v. 5, p. 15-58	886
Razvedka i Okhrana Nedr (USSR) 1939, no. 10/11	870
Referativnyi Zhurnal. Biologiya (USSR) 1963, no. 5	838
1963, no. 7, sect. K, p. 1-16	847
1963, no. 8, sect. K, p. 1-20	847
Referativnyi Zhurnal. Farmakologiya Toksikologiya (USSR) 1963, no. 22	838
Referativnyi Zhurnal. Metallurgiya (USSR) 1963, nos. 10-12	906
Referativnyi Zhurnal. Otdel'nyi Vypusk 30f: Biologicheskaya Khimiya (USSR) 1963, nos. 17, 20	822
Referativnyi Zhurnal. Otdel'nyi Vypusk 43: Gornoe, Stroitel'noe i Dorozhnoe Mashinostroenie (USSR) 1963, no. 11	885
Referativnyi Zhurnal. Otdel'nyi Vypusk 44: Traktory i Sel'skokhozyaistvennye Mashiny i Orudiya (USSR) 1963, no. 11	885
Referativnyi Zhurnal. Otdel'nyi Vypusk 48: Mashinostroitel'nye Materialy (USSR) 1963, nos. 6-7, 10	885
Referativnyi Zhurnal. Tekhnologiya Mashinostroeniya (USSR) 1963, no. 11	885
Regelungstechnik (West Germany) 1953, v. 1, no. 1, p. 13-17	881
Revista Medica Cubana, 1959, v. 70, no. 9, 441-460	830
Revue de l'Institut Français du Petrole et Annales des Combustibles Liquides 1954, v. 9, no. 2, p. 51-66	891
Revue des Materiaux de Construction et de Travaux Publics. (France) 1950, no. 417, p. 187-189	880
Revue Française d' Etudes Cliniques et Biologiques (France) 1960, v. 5, p. 254-261	834
Riforma Medica (Italy) 1960, v. 74, no. 35, p. 989-996	834
Rikagaku Kenkyujo Hokoku (Japan) 1950, v. 26, p. 255-257	859
Rivista di Neurologia (Italy) 1958, v. 28, no. 2, p. 216-226	840
Roczniki Chemii (Poland) 1956, v. 30, p. 323-325	868
Roczniki Nauk Rolniczych. Seria A: Roslinna (Poland) 1960, v. 81, no. 4, p. 1109-1117	852
Rundfunktechnische Mitteilungen (West Germany) 1962, v. 6, p. 111-113	881
Russkoe Fiziko-Khimicheskoe Obshchestvo. Zhurnal, 1884, v. 16, p. 478-511	859
Sbornik Chekhoslovatskykh Khimicheskykh Rabot, 1954, v. 19, p. 679-683	853
Sbornik Statei po Paleontologii i Biostratigrafii (USSR) 1958, v. 12, p. 77-79	872
Schweizerische Medizinische Wochenschrift 1963, v. 93, no. 20, p. 737-739	840
Scinteia (Rumania) 1964, 26 Jan, p. 3	917
Seifen-Öle-Fette-Wachse (Germany) 1935, v. 62, p. 272	850
1935, v. 62, p. 473	849
1937, v. 64, 17 Feb, p. 111	911
1937, v. 64, 3 Mar, p. 167	889
1937, v. 64, 3 Mar, p. 168	849
1937, v. 64, 7 Apr, p. 248	856
Seifen-Öle-Fette-Wachse (Germany) (con.) 1937, v. 64, 14 Apr, p. 272	911
1937, v. 64, 28 Apr, p. 310	857
1937, v. 64, 19 May, p. 367	889
1937, v. 64, 2 Jun, p. 404	849
1937, v. 64, 2 Jun, p. 404	855
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1937, v. 64, 4 Aug, p. 582	889
1937, v. 64, 11 Aug, p. 592	884
1937, v. 64, 25 Aug, p. 656	887
1937, v. 64, 20 Oct, p. 812	887
Sibirskii Fiziko-Tekhnicheskii Institut. Trudy (USSR) 1958, v. 36, p. 153-158	889
Societa Italiana di Biologia Sperimentale. Bollettino, 1958, v. 34, no. 20, p. 1326-1328	841
Société Chimique de Belgique. Bulletin, 1949, v. 58, p. 285-300	850
Société Chimique de France. Bulletin, 1906, ser. 3, v. 35, p. 781ff.	888
Société de Biologie et de ses Filiales. Comptes Rendus des Seances (France) 1963, v. 157, p. 866-868	840
Sovetskaya Geologiya (USSR) 1948, no. 28, p. 133-138	872
1962, v. 5, no. 5, p. 104-112	871, 873
1962, v. 5, no. 5, p. 114-130	871, 872
Sovetskaya Latviya (Latvian SSR) 1962, 4 Oct, p. 2	883
1963, 16 Nov, p. 1	815
Sovetskaya Meditsina (USSR) 1949, v. 13, no. 4, p. 7-8	838
1963, v. 26, no. 1, p. 85-90	837
1963, v. 26, no. 3, p. 69-72	831
1963, v. 26, no. 3, p. 104-106	839
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1963, v. 26, no. 3, p. 118-124	831
1963, v. 26, no. 3, p. 127-131	835
Spectrochimica Acta (England) 1955, v. 7, p. 128-133	914
Splavy Redkozemel'nykh Metallov, Moscow, 1962, 266p.	909
Sposob Naimen' Shikh Kvadratov v Prilozhenii k Ismereniyam, Soprovozhdayushchimsya Postoyannymi Pogreshnostyami, Moscow, 1960, p. 1-59	870
Spravochnik po Tare i Upakovke Gruzov, Moscow, 1961, p. 4-5, 362-367, 381-394	888
Srpsko Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) 1962, v. 27, no. 9/10	849
Strahlentherapie (West Germany) 1958, v. 105, no. 1, p. 39-44	834
Strahlentherapie. Sonderband (Germany) 1957, v. 37, p. 128-132	852
Stroitel' (USSR) 1963, v. 9, no. 8, p. 3-6	880
Stroitel'nye i Dorozhnye Mashiny (USSR) 1963, v. 8, no. 9, p. 37	885
Suomen Kemistilehti (Finland) 1963, v. 36, no. 3, p. A76-A77	900
Svenska Läkartidningen, 1961, v. 58, p. 3379-3381	839
il Tabacco (Italy) 1950, v. 54, Jan, p. 14-23	814
Tabak (USSR) 1959, v. 20, no. 4, p. 50-52	815
Technik und Forschung (sic) 1961, no. 181(42) 22 Nov, p. 758-760	908
Technische Hochschule, Karlsruhe. Kältetechnisches Institut. Mitteilungen (West Germany) no. 2 1948, 45p.	867
Tekhnika Molodezhi (USSR) 1963, v. 31, no. 9, p. 10	885
Tekhnika v Sel'skom Khozyaistve (USSR) 1963, v. 23, no. 9, p. 1-3	813
1963, v. 23, no. 9, p. 4-9	813
1963, v. 23, no. 9, p. 42-46	813
1963, v. 23, no. 9, p. 57-60	813
1963, v. 23, no. 9, p. 71	813
Tekhnologiya Keramika i Ogneuporov, Moscow, 1962, p. 396-399	890
Telefunken-Zeitung (West Germany) 1958, v. 31, p. 124-130	881
Teploenergetika (USSR) 1963, v. 10, no. 7, p. 64-67	917

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Terapevticheskii Arkhiv (USSR)	
1963, v. 35, no. 2, p. 16-22	831
1963, v. 35, no. 2, p. 37-42	830
1963, v. 35, no. 2, p. 54-58	835
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1963, v. 35, no. 3, p. 51-58	821
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1952, v. 38, no. 5, p. 283-288	866
1952, v. 38, p. 531-536	866
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1961, v. 16, p. 531-560	893
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Ti Ch'iu Wu Li K'an T'an (Chinese People's Republic)	
1958, no. 2, p. 43-44; no. 6, p. 5-8	872
Tipy Mestnosti i Prirodnoe Rayonirovanie Buryatskoi ASSR, Moscow,	
1959, p. 49-82	870
Tonindustrie-Zeitung (Germany)	
1935, v. 59, no. 25, p. 316-317	888
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Transportnoe Stroitel'stvo (USSR)	
1963, v. 13, no. 2, p. 23-27	880
Trematody Zhivotnykh i Cheloveka: Osnovy Trematodologii, v. 17, Moscow,	
1960, 643p.	848
Trudy Vsesoyuznoi Konferentsii po Analiticheskoi Khimii, Moscow,	
1943, v. 2, p. 603-614	886
Tsement (USSR)	
1957, v. 23, no. 6, p. 19-21	866
Tsentral'naya Aerologicheskaya Observatoriya. Trudy (USSR)	
1959, no. 26, p. 39-55	869
Tsentral'nyi Nauchno-Issledovatel'skii Institut Geodezii, Aeros"emki i Kartografii. Trudy (USSR)	
1961, v. 138, p. 1-11	869
Ukrainskii Khimicheskii Zhurnal (USSR)	
1949, v. 15, p. 340-350	863
1950, v. 16, no. 3, p. 438-446	906
Ukrayins'kyi Biokhimichnyi Zhurnal (USSR)	
1949, v. 21, no. 4, p. 317-323	825
1964, v. 36, no. 1, p. 72-79	823
Universal'nyi Izmeritel'nyi Mikroskop UIM-23, Leningrad,	
1962, 2p.	876
Uspekhi Fizicheskikh Nauk (USSR)	
1956, v. 59, no. 3, p. 543-552	912
1953, v. 79, no. 3, p. 377-440	913
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1960, v. 29, no. 9, p. 1088-1111	850
Uspekhi Sovremennoi Biologii (USSR)	
1959, v. 47, no. 3, p. 390-396	830
Ustanovka dlya Graduirovki Izmeritel'nykh Mikrofonov, Moscow,	
1960, 1p.	880
Ustoichivost' Nelineinykh Reguliruemykh Sistem, 2d ed., Moscow,	
1962, 483p.	877
V Krayu Bol'shogo Budushchego, Moscow,	
1961, 186p.	870
Verein Deutscher Portland-Zement-Fabrikanten. Protokoll der Verhandlungen (Germany)	
1914, v. 37, p. 221-233	888
Verres et Refractaires (France)	
1963, v. 17, no. 3, p. 151-162	890
Vestnik Vysshei Shkoly (USSR)	
1963, v. 21, no. 7, p. 24-27, 34-40, 74, 76-78	918
1963, v. 21, no. 7, p. 34-40	917, 918
Vol'tmetr Tsifrovoi VTS-2, Moscow,	
1961, 1p.	880
Voprosy Ekonomiki (USSR)	
1963, no. 2, p. 64-70	814
Voprosy Geografii (USSR)	
1962, v. 59, p. 6-52	872
Voprosy Ikhtiologii (USSR)	
1961, no. 3(20) p. 583-589	844
Voprosy Infektsionnoi Patologii i Immunologii, Moscow,	
1963, p. 165-167, 187-195, 199-220	B-23
Voprosy Kosmogonii (USSR)	
1960, v. 7, p. 55-58	818
Voprosy Kurortologii, Fizioterapii i Lechebnoi Fizicheskoi Kul'tury (USSR)	
1964, v. 29, no. 1, p. 19-23, 64-70	845
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1961, v. 7, no. 7, p. 105-111	835
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1963, v. 22, no. 6, p. 12-15	884
Voprosy Psikhologii (USSR)	
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1935, v. 18, no. 8, p. 695-700	836
Vsesoyuznaya Akademiya Sel'skokhozyaistvennykh Nauk. Doklady (USSR)	
1939, v. 4, no. 23/24, p. 56-59	869
Vsesoyuznoe Soveshchanie po Proizvodstvu Kukuruzy, Krasnodar, Feb 60. Sokrashchennye Materialy, Moscow,	
1961, 528p.	814
Vsesoyuznyi Institut Rastenievodstva. Byulleten' (USSR)	
1961, no. 9, p. 44-47	816
Vsesoyuznyi Nauchno-Issledovatel'skii Institut Metrologii. Trudy (USSR)	
1962, no. 67(127) p. 76-88	913
Vsesoyuznyi Nauchno-Issledovatel'skii Kinofotoinstitut. Trudy (USSR)	
1961, no. 42, p. 35-43	894
Vychislitel'nyi Metody Lineinoi Algebry, Moscow,	
1960, 656p.	901
Vysokomolekulyarnye Soedineniya (USSR)	
1962, v. 4, no. 1, p. 30-36	850
1962, v. 4, no. 11, p. 1688-1695	859
1962, v. 4, no. 11, p. 1732-1738	914
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1962, no. 48/5, p. 5-9	876, 877
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1962, no. 48/5, p. 21-23	876, 877
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1962, no. 48/5, p. 59-66	876
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1962, no. 48/5, p. 113-122	876, 877
1962, no. 48/5, p. 123-125	876
Yuki Gosei Kagaku Kyokai Shi (Japan)	
1963, v. 21, p. 160-163	856
Zavodskaya Laboratoriya (USSR)	
1950, v. 16, no. 5, p. 621-622	842
1956, v. 22, no. 12, p. 1463-1467	909
Zeitschrift für Analytische Chemie (West Germany)	
1955, v. 144, no. 2, p. 106-108	853
1961, v. 181, no. 1, p. 254-274	867
1962, v. 185, no. 2, p. 99-110	851
1962, v. 189, no. 4, p. 325-330	851
Zeitschrift für Angewandte Physik (West Germany)	
1962, v. 14, no. 12, p. 709-713	913
1963, v. 15, no. 6, p. 509-518	914
1963, v. 16, no. 3, p. 145-150	895
Zeitschrift für Biologie (West Germany)	
1962, v. 113, no. 2, p. 145-160	820
Zeitschrift für Elektrochemie (West Germany)	
1949, v. 53, no. 4, p. 222-228	867
1954, v. 58, p. 95-99	863
Zeitschrift für Geburtshilfe und Gynäkologie (West Germany)	
1961, v. 157, Beilageheft, p. 5-10	841
Zeitschrift für Metallkunde (West Germany)	
1958, v. 49, no. 4, p. 165-172	908
1959, v. 50, no. 10, p. 606-610	909
Zeitschrift für Naturforschung (West Germany)	
1955, v. 10b, p. 229-240	854
Zeitschrift für Physik (West Germany)	
1956, v. 145, p. 301-318	915
1957, v. 149, no. 5, p. 608-623	912
Zeitschrift für Physikalische Chemie, Frankfurt (West Germany)	
1962, Neue Folge, v. 35, no. 1/3, p. 122-128	868
1962, Neue Folge, v. 35, no. 4/6, p. 343-347	864
Zemedelsko Zname (Bulgaria)	
1963, 21 Feb, p. 3	918
Zement (Germany)	
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U.S. DEPARTMENT OF COMMERCE FIELD OFFICES

SERVE THE BUSINESS COMMUNITY

The Department of Commerce maintains Field Offices to enable the business community to avail itself locally of Government facilities designed to promote commerce. Working closely with various units in the Department and, when necessary, with other Government agencies, the Field Offices provide business services to manufacturers, wholesalers, retailers, trade publications, trade associations, advertising agencies, research groups, financial institutions, and exporters and importers.

Experienced personnel will gladly assist in the solution of specific problems, explain the scope and meaning of regulations administered by the Department, and provide practical assistance in the broad field of domestic and foreign commerce. Field Offices act as official sales agents of the Superintendent of Documents, and maintain an extensive business reference library containing periodicals, directories, publications and reports from official as well as private sources.

Among the many services which businessmen have found of value are:

GENERAL

- Management and business aids
- Establishing a new business

BASIC ECONOMIC DATA

- Census data with national and often State and regional breakdowns, on manufacturing wholesaling, retailing, service industries, employment and unemployment, population, housing, agriculture
- Basic records of national income and product, regional trends, balance of payments, foreign aid

MARKETING AND DISTRIBUTION

- Development and maintenance of markets
- Distribution channels, facilities and services
- Marketing and distribution statistics

PRODUCTION

- Modernization of plant processes and other technological aids
- Development of new products
- Government-owned patents for free license
- Commodity standards

FOREIGN TRADE AND INVESTMENT

- Tariff and exchange regulations
- Import and export quotas, licensing regulations
- Statistics on imports and exports
- Investment and trade opportunities abroad
- Economic conditions in foreign countries

COOPERATIVE OFFICES

To make the services of the Department of Commerce more widely available, agreements have been entered into with more than 750 Chambers of Commerce, Manufacturers Associations, and similar business groups under which these organizations have become official Cooperative Offices of the Department. If specific information is not on hand in the Cooperative Office, your problem will be referred to the nearest Departmental field office.

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